

IWT LAB ASSIGNMENT

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Semester	6
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```

<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Ass01</title>
  </head>
  <body>
    <h1>This is a level-1 heading.</h1>
    <h3>This is a level-3 heading.</h3>
    <p>This is some <b>bold</b> text</p>
    <p>This is some <i>italic</i> text</p>
    <p>This is some <u>underlined</u> text</p>
    <p>
      This is some <b><i>bold and italic</i></b> and
      <u><i>italic and underlined text</i></u>
    </p>
    <p>
      This is some
      <span style="font-family: monospace">fixed-width text</span>
    </p>
    <p>This is some <sub>subscripted text</sub></p>
    <p>This is some <sup>superscripted text</sup></p>
    <p>
      Some applications: Water is <b>H<sub>2</sub>O</b>. Everyone knows that
      <b>E=MC<sup>2</sup></b>
    </p>
    <p style="text-align: left">This text is left aligned</p>
    <h2 style="text-align: center"><b>This text is centered</b></h2>
    <p style="text-align: right">This text is right-aligned</p>
    <h2
      style="
        background-color: green;
        color: gold;
        font-size: 19pt;
        font-family: monospace;
      "
    ><del>
      This is level 2 heading of monospace font size 18pt with a line through
      the text of gold color on green background, controlled by the style
      attribute
      <del>
        </h2>
      </del>
    </body>
  </html>

```



This is a level-1 heading.

This is a level-3 heading.

This is some **bold** text

This is some *italic* text

This is some underlined text

This is some ***bold and italic*** and *italic and underlined text*

This is some `fixed-width text`

This is some _{subscripted} text

This is some ^{superscripted} text

Some applications: Water is **H₂O**. Everyone knows that **E=MC²**

This text is left aligned

This text is centered

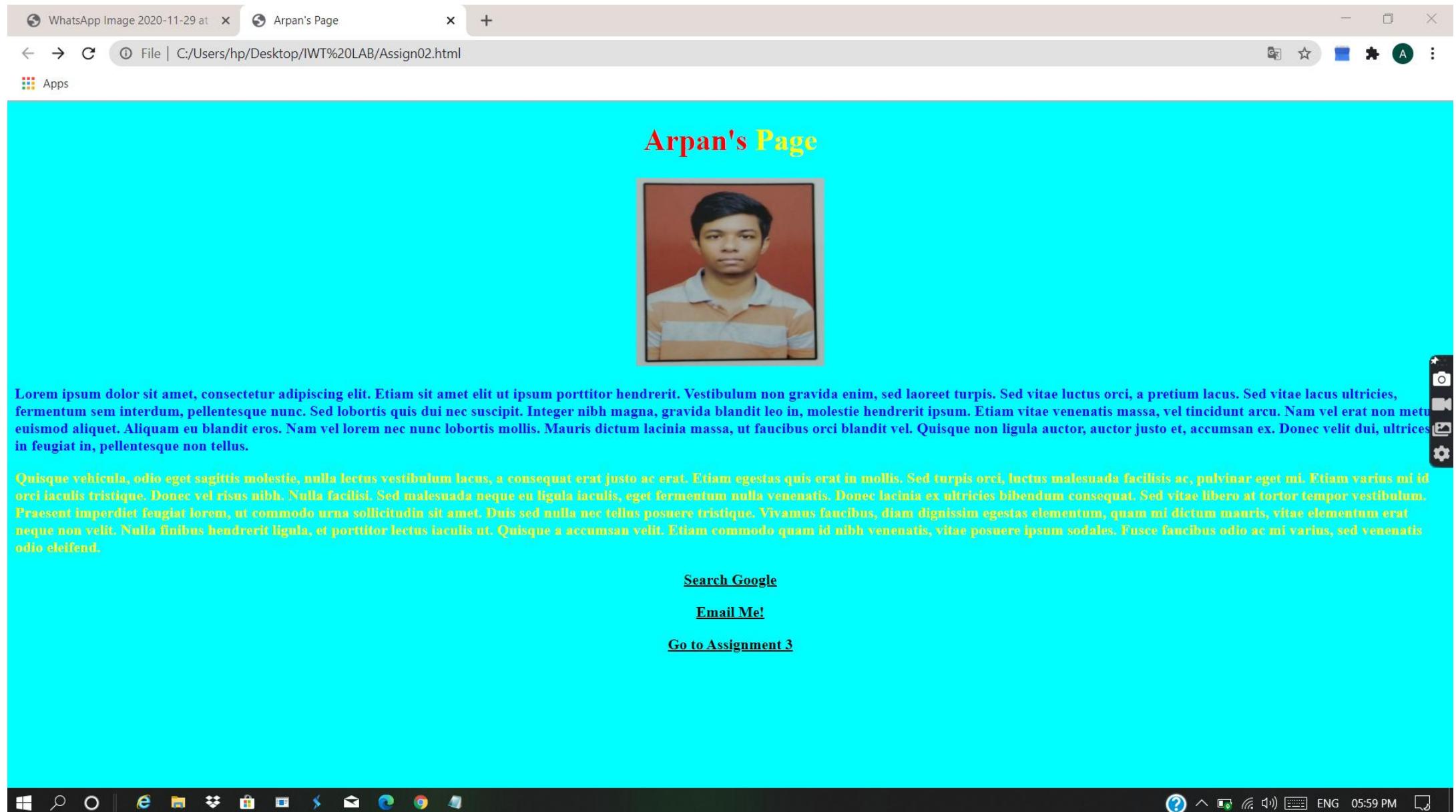
This text is right-aligned

~~This is level 2 heading of monospace font size 18pt with a line through the text of gold color on green background, controlled by the style attribute~~

ASSIGNMENT-2

```
<!DOCTYPE html>
<html>
    <head>
        <title>Arpan's Page</title>
        <style>
            body {
                background-color: aqua;
            }
            a {
                color: #000;
            }
        </style>
    </head>
    <body>
        <h1 align="center"><font color="red">Arpan's</font><font color="yellow"> Page</font></h1>
        <p align="center"><image
src="file:///C:/Users/hp/Desktop/IWT%20LAB/WhatsApp%20Image%20
2020-11-29%20at%2018.52.38.jpeg" height="200"
width="200"></image></p>
        <p>
            <font color="blue"><b>
                Lorem ipsum dolor sit amet, consectetur adipiscing
                elit. Etiam sit amet elit ut ipsum porttitor hendrerit. Vestibulum non
                gravida enim, sed laoreet turpis.
            <b></b>
            Sed vitae luctus orci, a pretium lacus. Sed vitae lacus
            ultricies, fermentum sem interdum, pellentesque nunc. Sed lobortis quis
            dui nec suscipit. Integer
            nibh magna, gravida blandit leo in, molestie
            hendrerit ipsum. Etiam vitae venenatis massa, vel tincidunt arcu. Nam
            vel erat non metus euismod aliquet.
            Aliquam eu blandit eros. Nam vel lorem nec nunc
            lobortis mollis. Mauris dictum lacinia massa, ut faucibus orci blandit vel.
            Quisque non ligula auctor,
            auctor justo et, accumsan ex. Donec velit dui, ultrices
            in feugiat in, pellentesque non tellus.
            <b></b></font>
        </p>
```

```
<p>
    <font color="yellow"><b>
        Quisque vehicula, odio eget sagittis molestie, nulla
        lectus vestibulum lacus, a consequat erat justo ac erat. Etiam egestas
        quis erat in mollis. Sed turpis
            orci, luctus malesuada facilisis ac, pulvinar eget mi.
        Etiam varius mi id orci iaculis tristique. Donec vel risus nibh. Nulla facilisi.
        Sed malesuada neque
            eu ligula iaculis, eget fermentum nulla venenatis.
        Donec lacinia ex ultricies bibendum consequat. Sed vitae libero at tortor
        tempor vestibulum. Praesent
            imperdiet feugiat lorem, ut commodo urna
        sollicitudin sit amet. Duis sed nulla nec tellus posuere tristique. Vivamus
        faucibus, diam dignissim egestas
            elementum, quam mi dictum mauris, vitae
        elementum erat neque non velit. Nulla finibus hendrerit ligula, et
        porttitor lectus iaculis ut. Quisque a accumsan
            velit. Etiam commodo quam id nibh venenatis, vitae
        posuere ipsum sodales. Fusce faucibus odio ac mi varius, sed venenatis
        odio eleifend.
            </b></font>
        </p>
        <b><p align="center"><a href="www.google.com">Search
        Google</a></p>
            <p align="center"><a
        href="arpanpanigrahi1@gmail.com">Email Me!</a></p>
            <p align="center"><a href="Assignment3.html">Go to
        Assignment 3</a></p></b>
        </body>
    </html>
```



ASSIGNMENT – 3

```
<!DOCTYPE html>
<html>
  <head>
    <title>Assignment3</title>
    <style>
      body {
        background-color: aqua;
        color: blue;
      }
    </style>
  </head>
  <body>
    <h1 align="center">My favorite Links!</h1>
    <br>
    <ol type=A>
      <li>Great Car Sites</li>
      <br>
      <ul type=circle>
        <li><a href="#p1">Mercedes-Benz USA</a></li>
        <li><a href="#p2">Mercedes-Benz World Wide</a></li>
        <li><a href="#p3">Kelly Blue Book New and Used Car Values</a></li>
      </ul>
      <br>
      <li>Useful Web Sites</li>
      <br>
      <ol>
        <li><a href="#p4">Cool Text Image Generator</a></li>
        <li><a href="#p5">RGB Hex Triplet Color Chart</a></li>
        <li><a href="#p6">Webopedia Online Computer Technology Dictionary</a></li>
      </ol>
    </ol>
    <br>
    <br>
    <a name="p1">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi id ullamcorper nibh. Integer eget eros lacinia, convallis elit eget, porttitor nunc. Sed sed porta dui, et cursus leo. Duis convalis quam cursus, aliquam nulla nec, suscipit augue. Etiam vel arcu dui. Curabitur neque nisl, pretium ut neque vel, ultrices pulvinar urna. Phasellus consectetur laoreet nibh, id finibus turpis mattis pretium. Etiam eu mi vitae mauris elementum ullamcorper vel ac tellus. Donec euismod egestas quam. Aenean rutrum odio vel arcu vestibulum, sit amet lacinia tortor malesuada. Nunc vitae lectus pulvinar, hendrerit ligula a, condimentum quam. Fusce consequat eleifend neque, sed vestibulum quam varius bibendum. Ut et sodales nunc. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia curae; Nulla tincidunt massa vel orci scelerisque, et ullamcorper justo tempor.</a>
    <br>
    <br>
    <a name="p2">Donec dapibus elementum quam, pharetra varius felis semper vel. Pellentesque tempor nibh vitae lorem aliquam, eget lacinia purus bibendum. Aliquam quam neque, aliquam nec dui quis, pharetra laoreet urna. Sed ex diam, sagittis eget eros vel, dictum gravida nunc. Quisque nec elit id lorem consequat feugiat at vitae nibh. Aliquam commodo sed odio vitae finibus. Ut lacinia pulv
```

inar efficitur. Aliquam semper convallis risus, id suscipit justo. Donec sit amet lacus ultrices, euismod dolor et, tempor nulla. Pellentesque a euismod dolor. Nam laoreet at enim et lacinia.

In volutpat odio nec nibh hendrerit, nec sagittis mi sodales. Duis at nunc id enim suscipit sagittis. Aenean est purus, consequat at auctor vitae, ultrices nec metus. Vivamus consequat condimentum risus ut dictum. Fusce ac interdum augue. Quisque at est venenatis, varius purus non, eleifend massa. Curabitur faucibus mi ut lacus pretium porttitor. Phasellus libero dui, varius at arcu non, blandit dapibus ex. Maecenas cursus arcu sed vestibulum pretium. Mauris rutrum elit sed justo suscipit commodo. Fusce ante nisl, lacinia sed lacus sit amet, pharetra posuere augue. Aliquam eius mod nibh eu tellus cursus semper. Etiam id dignissim mauris. Phasellus luctus turpis metus, sed tristique sapien sagittis et. Fusce sem enim, mollis et ultricies eget, eleifend at arcu. Donec at velit elementum, vestibulum orci ac, suscipit velit.

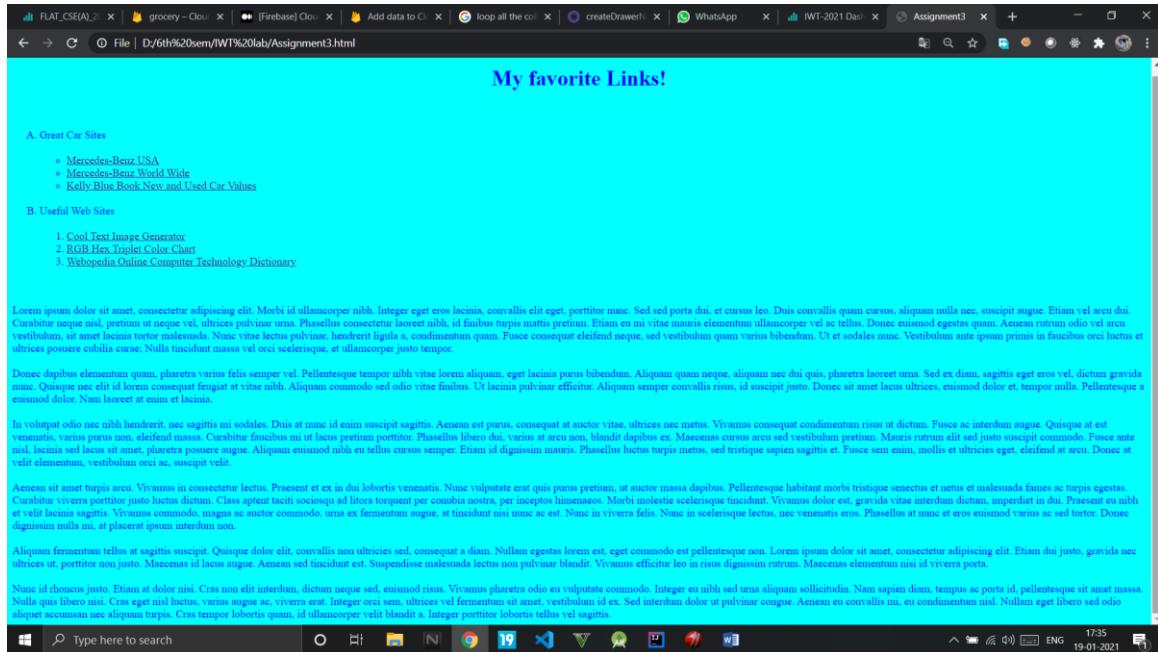
Aenean sit amet turpis arcu. Vivamus in consectetur lectus. Praesent et ex in dui lobortis venenatis. Nunc vulputate erat quis purus pretium, ut auctor massa dapibus. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Curabitur viverra porttitor justo luctus dictum. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Morbi molestie scelerisque tincidunt. Vivamus dolor est, gravida vitae interdum dictum, imperdiet in dui. Praesent eu nibh et velit lacinia sagittis. Vivamus commodo, magna ac auctor commodo, urna ex fermentum augue, at tincidunt nisi nunc ac est. Nunc in viverra felis. Nunc in scelerisque lectus, nec venenatis eros. Phasellus at nunc et eros euismod varius ac sed tortor. Donec dignissim nulla mi, at placerat ipsum interdum non.

Aliquam fermentum tellus at sagittis suscipit. Quisque dolor elit, convallis non ultricies sed, consequat a diam. Nullam egestas lorem est, eget commodo est pellentesque non. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam dui justo, gravida nec ultrices ut, porttitor non justo. Maecenas id lacus augue. Aenean sed tincidunt est. Suspendisse malesuada lectus non pulvinar blandit. Vivamus efficitur leo in risus dignissim rutrum. Maecenas elementum nisi id viverra porta.

Nunc id rhoncus justo. Etiam at dolor nisi. Cras non elit interdum, dictum neque sed, euismod risus. Vivamus pharetra odio eu vulputate commodo. Integer eu nibh sed urna aliquam sollicitudin. Nam sapien diam, tempus ac porta id, pellentesque sit amet massa. Nulla quis libero nisi. Cras eget nisl luctus, varius augue ac, viverra erat. Integer orci sem, ultrices vel fermentum sit amet, vestibulum id ex. Sed interdum dolor ut pulvinar congue. Aenean eu convallis mi, eu condimentum nisl. Nullam eget libero sed odio aliquet accumsan nec aliquam turpis. Cras tempor lobortis quam, id ullamcorper velit blandit a. Integer porttitor lobortis tellus vel sagittis.

</body>
</html>

Output:



ASSIGNMENT – 3

```
<!DOCTYPE html>
<html>
  <head>
    <title>Assignment 3</title>
  </head>
  <body>
    <form>
      <label for="name">Name:</label><br>
      <input type="text" id="name"><br><br>

      <label for="id">ID:</label><br>
      <input type="text" id="id"><br><br>

      <label for="password">Password:</label><br>
      <input type="password" id="password"><br><br>

      <label for="email">Email:</label><br>
      <input type="email" id="email"><br><br>

      <label for="age">Age:</label><br>
      <input type="text" id="age"><br><br>

      <label for="gender">Gender:</label><br>
      <input type="radio" id="male" name="gender">
      <label for="male">Male</label>
      <input type="radio" id="female" name="gender">
      <label for="female">Female</label>
      <input type="radio" id="other" name="gender">
      <label for="other">Other</label><br><br>

      <label for="collegeAddress">College Address:</label><br>
      <textarea id="collegeAddress" rows="4" cols="50"></textarea> <br><br>

      <label for="branch">Select your branch:</label><br>
      <select id="branch">
        <option>CSE</option>
        <option>ECE</option>
        <option>EEE</option>
        <option>AEI</option>
        <option>MCA</option>
      </select><br><br>

      <label for="techSkill">Select your technical skill:</label><br>
      <input type="checkbox" id="C">
      <label for="C"> C</label><br>
      <input type="checkbox" id="Java">
      <label for="Java"> Java</label><br>
      <input type="checkbox" id="Python">
```

```

<label for="Python"> Python</label><br>
<input type="checkbox" id="JSP">
<label for="JSP"> JSP</label><br><br>

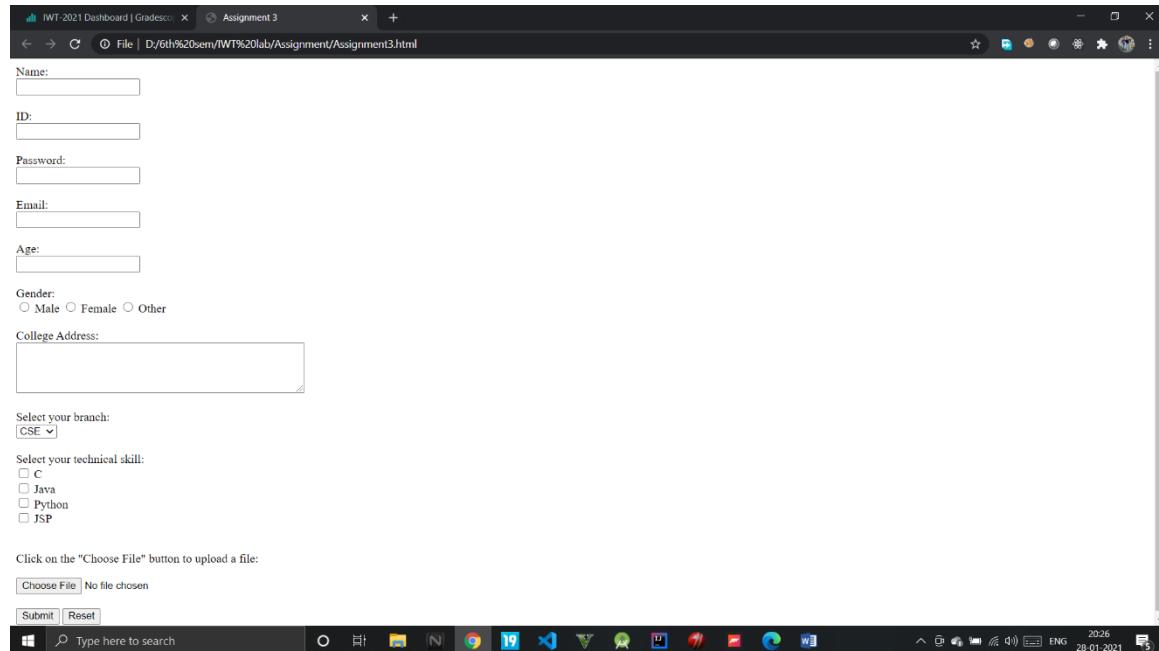
<p>Click on the "Choose File" button to upload a file:</p>
<input type="file"><br><br>

<input type="submit">
<input type="reset">

</form>
</body>
</html>

```

Output:



The screenshot shows a Microsoft Edge browser window with the title "IWT-2021 Dashboard | Gradesco" and the tab "Assignment 3". The URL in the address bar is "File | D:\6th%20sem\IWT%20lab\Assignment\Assignment3.html". The page content is an HTML form with the following fields:

- Name:** An input field.
- ID:** An input field.
- Password:** An input field.
- Email:** An input field.
- Age:** An input field.
- Gender:** Radio buttons for Male, Female, and Other.
- College Address:** A large text area.
- Select your branch:** A dropdown menu currently set to "CSE".
- Select your technical skill:** A list of checkboxes for C, Java, Python, and JSP.
- Click on the "Choose File" button to upload a file:** A label followed by a "Choose File" button which displays "No file chosen".
- Submit** and **Reset** buttons at the bottom.

ASSIGNMENT – 4

1. Print a calendar for the month of March 2021. Display all Sundays in Red color, the holidays other than Sunday in Blue color and the rest in green color.

p1.html –

```
<!DOCTYPE html>
<html>
  <head>
    <title>Calendar</title>
    <link rel="stylesheet" href="./p1.css">
  </head>
  <body>
    <h1>Calendar of March 2021</h1><br><br>
    <table>
      <tr>
        <th>Sun</th>
        <th>Mon</th>
        <th>Tue</th>
        <th>Wed</th>
        <th>Thu</th>
        <th>Fri</th>
        <th>Sat</th>
      </tr>
      <tr>
        <td class="sunday"></td>
        <td>1</td>
        <td>2</td>
        <td>3</td>
        <td>4</td>
        <td>5</td>
        <td>6</td>
      </tr>
      <tr>
        <td class="sunday">7</td>
        <td class="holiday">8</td>
        <td>9</td>
        <td>10</td>
        <td class="holiday">11</td>
        <td>12</td>
        <td>13</td>
      </tr>
      <tr>
        <td class="sunday">14</td>
        <td>15</td>
        <td>16</td>
```

```

<td>17</td>
<td>18</td>
<td>19</td>
<td class="holiday">20</td>
</tr>
<tr>
  <td class="sunday">21</td>
  <td>22</td>
  <td>23</td>
  <td>24</td>
  <td>25</td>
  <td>26</td>
  <td>27</td>
</tr>
<tr>
  <td class="sunday">28</td>
  <td class="holiday">29</td>
  <td>30</td>
  <td>31</td>
  <td></td>
  <td></td>
  <td></td>
</tr>
</table>
</body>
</html>

```

p1.css -

```

td{
  width: 50px
}

h1{
  text-align: center;
}

table{
  text-align: center;
  margin-left: auto;
  margin-right: auto;
}

table, td, th{
  border: 1px solid black;
}

td{
  background-color: green;
}

```

```
.sunday{
    background-color: red;
}

.holiday{
    background-color: blue;
}
```

Output:

Calendar of March 2021

Sun	Mon	Tue	Wed	Thu	Fri	Sat
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			



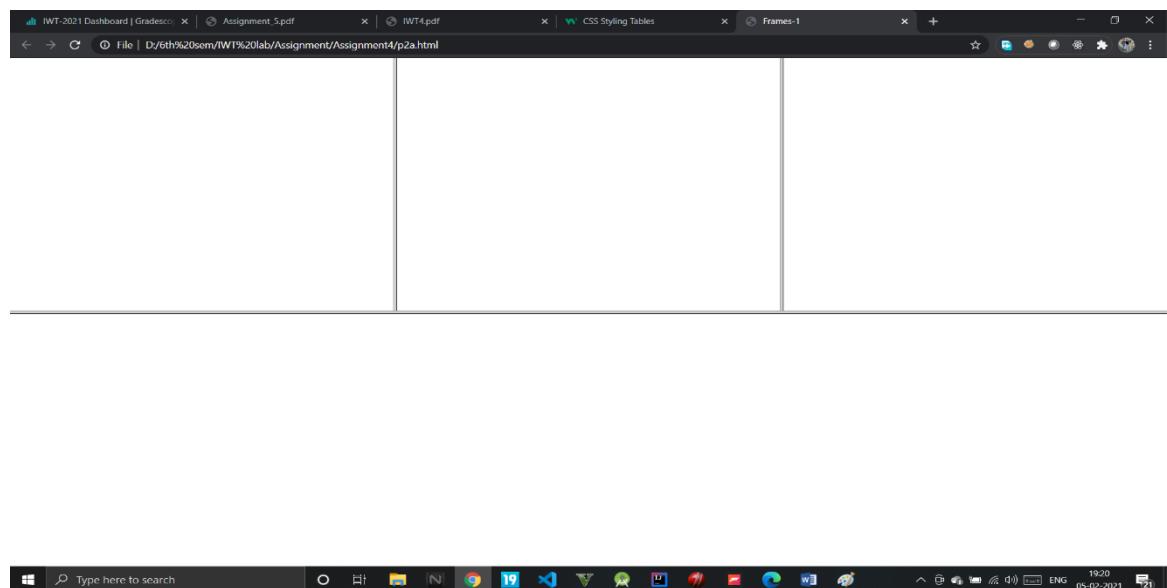
2. Create the following frame formats

a. p2a.html –

```
<!DOCTYPE html>
<html>
  <head>
    <title>Frames-1</title>
  </head>
  <frameset rows="50%, 50%">
    <frameset cols="33.33%, 33.33%, 33.33%">
      <frame>
      <frame>
      <frame>
    </frameset>
    <frame>
  </frameset>

</html>
```

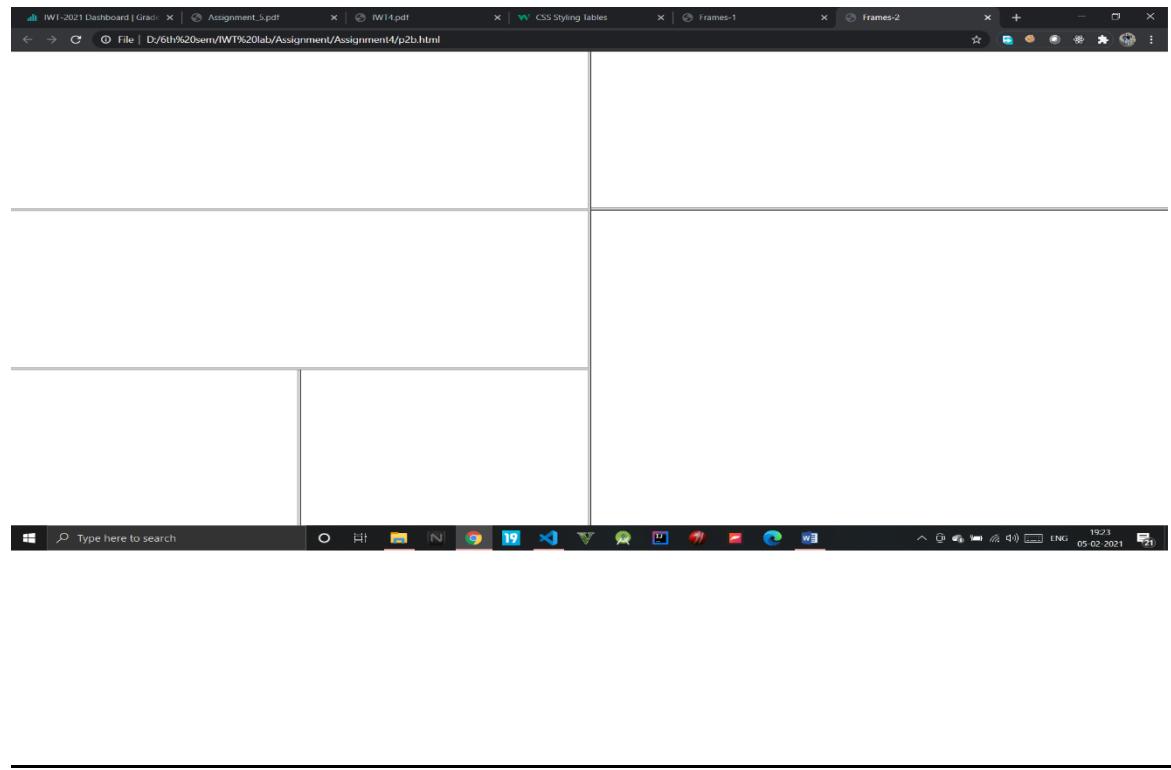
Output:



b. p2b.html –

```
<!DOCTYPE html>
<html>
  <head>
    <title>Frames-2</title>
  </head>
  <frameset cols="50%, 50%">
    <frameset rows="33.33%, 33.33%, 33.33%">
      <frame>
      <frame>
      <frameset cols="50%, 50%">
        <frame>
        <frame>
      </frameset>
    </frameset>
    <frameset rows="33%, *">
      <frame>
      <frame>
    </frameset>
  </frameset>
</html>
```

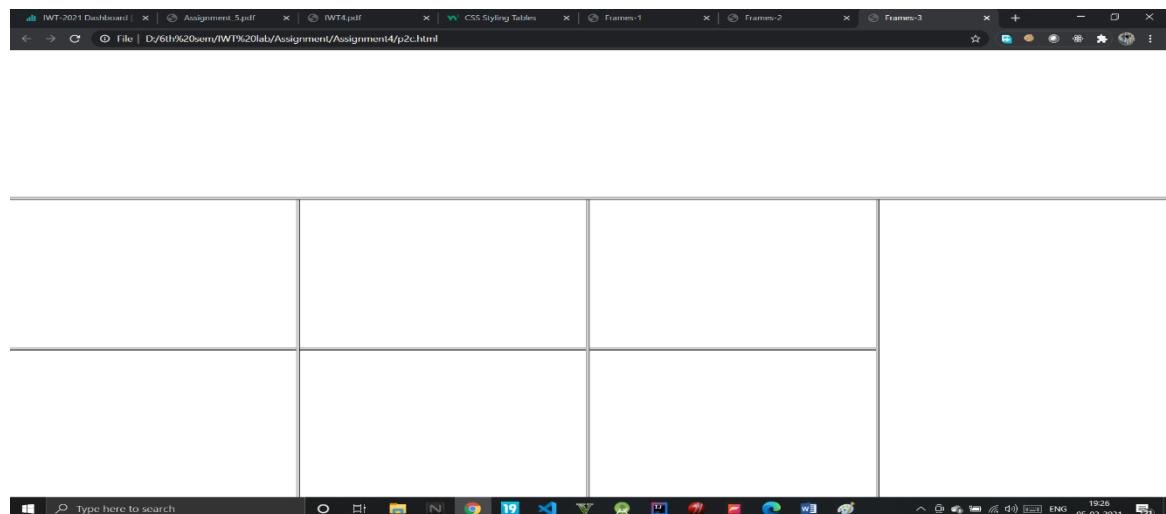
Output:



c. p2c.html –

```
<!DOCTYPE html>
<html>
  <head>
    <title>Frames-3</title>
  </head>
  <frameset rows="33%, *">
    <frame>
    <frameset cols="25%, 25%, 25%, 25%">
      <frameset rows="50%, 50%">
        <frame>
        <frame>
      </frameset>
      <frameset rows="50%, 50%">
        <frame>
        <frame>
      </frameset>
      <frameset rows="50%, 50%">
        <frame>
        <frame>
      </frameset>
      <frame>
    </frameset>
  </frameset>
</html>
```

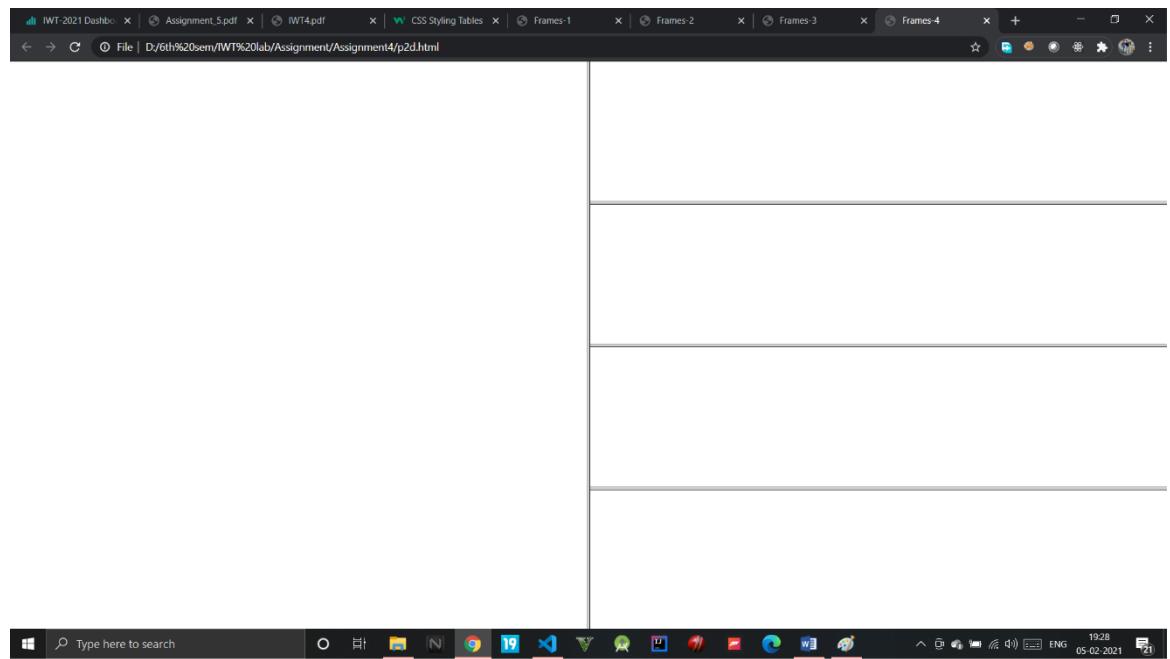
Output:



d. p2d.html –

```
<!DOCTYPE html>
<html>
  <head>
    <title>Frames-4</title>
  </head>
  <frameset cols="50%, *">
    <frame>
    <frameset rows="25%, 25%, 25%, 25%">
      <frame>
      <frame>
      <frame>
      <frame>
    </frameset>
  </frameset>
</html>
```

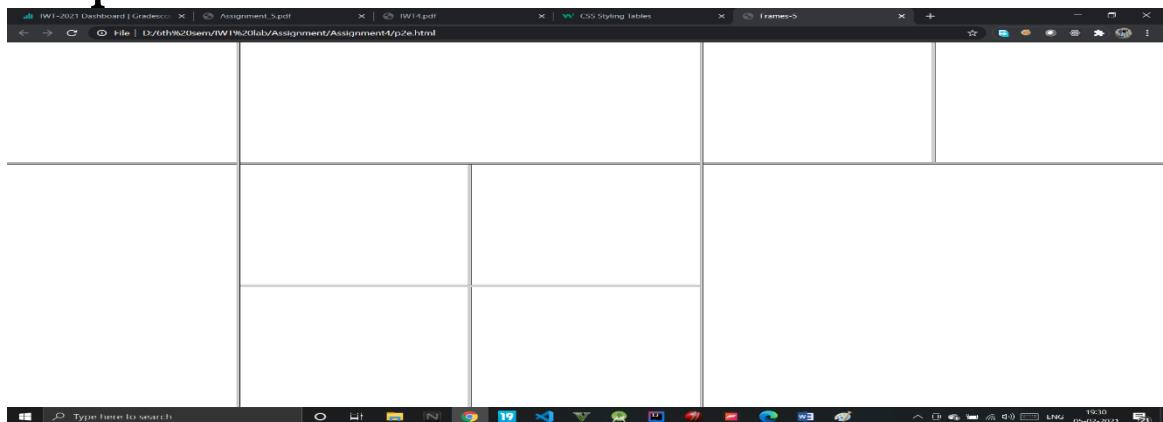
Output:



e. p2e.html –

```
<!DOCTYPE html>
<html>
  <head>
    <title>Frames-5</title>
  </head>
  <frameset cols="20%, 40%, 40%">
    <frameset rows="33%, *">
      <frame>
      <frame>
    </frameset>
    <frameset rows="33%, *">
      <frame>
      <frameset rows="50%, 50%">
        <frameset cols="50%, 50%">
          <frame>
          <frame>
        </frameset>
        <frameset cols="50%, 50%">
          <frame>
          <frame>
        </frameset>
      </frameset>
    </frameset>
    <frameset rows="33%, *">
      <frameset cols="50%, *">
        <frame>
        <frame>
      </frameset>
      <frame>
    </frameset>
  </frameset>
</html>
```

Output:



3. Print other characters

p3.html –

```
<!DOCTYPE html>
<html>
  <head>
    <title>
      Tables
    </title>
    <link rel="stylesheet" href=".//p3.css">
  </head>
  <body>
    <h1>Print Other Characters</h1>
    <table>
      <tr>
        <th>SYMBOL</th>
        <th>DESCRIPTION</th>
      </tr>
      <tr>
        <td>""</td>
        <td>Quotation Mark</td>
      </tr>
      <tr>
        <td>&</td>
        <td>Ampersand Sign</td>
      </tr>
      <tr>
        <td><span>&#60;</span></td>
        <td>Less Than Sign</td>
      </tr>
      <tr>
        <td><span>&#62;</span></td>
        <td>Greater Than Sign</td>
      </tr>
      <tr>
        <td><span>&#169;</span></td>
        <td>copyright Symbol</td>
      </tr>
      <tr>
        <td><span>&#174;</span></td>
        <td>Registered Symbol</td>
      </tr>
      <tr>
        <td>A blank space</td>
        <td>Non breaking one space</td>
      </tr>
    </table>
  </body>
</html>
```

p3.css -

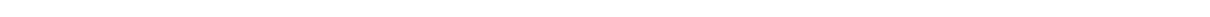
```
h1{  
    text-align: center;  
}  
table{  
    text-align: center;  
    margin-left: auto;  
    margin-right: auto;  
}  
table, td, th{  
    border: 1px solid black;  
}  
td, th{  
    padding: 10px;  
}  
table{  
    border-spacing: 10px;  
    border-collapse: separate;  
    width: 60%;  
}
```

Output:



Print Other Characters

SYMBOL	DESCRIPTION
"	Quotation Mark
&	Ampersand Sign
<	Less Than Sign
>	Greater Than Sign
©	copyright Symbol
®	Registered Symbol
A blank space	Non breaking one space



ASSIGNMENT – 5

1. p1.html –

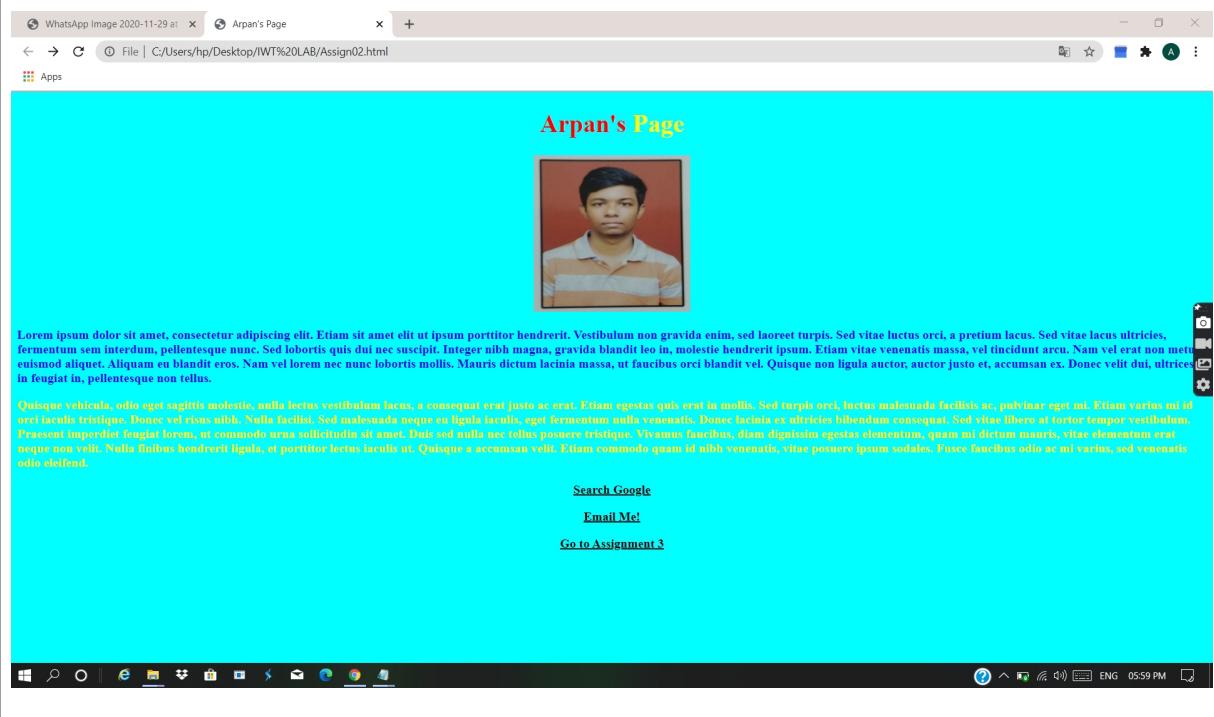
```
<!DOCTYPE html>
<html>
<head>
    <title>Arpan's Page</title>
    <link rel="stylesheet" href="Assignment2.css">
</head>
<body>
    <h1 class="header"><span class="name">Arpan's</span><span class="page"> Page</span></h1>
    <p class="image"></img></p>
    <p class="p1"><b>
        Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam sit amet elit ut ipsum
        porttitor hendrerit. Vestibulum non gravida enim, sed laoreet turpis.
        Sed vitae luctus orci, a pretium lacus. Sed vitae lacus ultricies, fermentum sem int
        erdum, pellentesque nunc. Sed lobortis quis dui nec suscipit. Integer
        nibh magna, gravida blandit leo in, molestie hendrerit ipsum. Etiam vitae venenatis
        massa, vel tincidunt arcu. Nam vel erat non metus euismod aliquet.
        Aliquam eu blandit eros. Nam vel lorem nec nunc lobortis mollis. Mauris dictum lac
        inia massa, ut faucibus orci blandit vel. Quisque non ligula auctor,
        auctor justo et, accumsan ex. Donec velit dui, ultrices in feugiat in, pellentesque no
        n tellus.
    </b></p>

    <p class="p2"><b>
        Quisque vehicula, odio eget sagittis molestie, nulla lectus vestibulum lacus, a cons
        equat erat justo ac erat. Etiam egestas quis erat in mollis. Sed turpis
        orci, luctus malesuada facilisis ac, pulvinar eget mi. Etiam varius mi id orci iaculis t
        ristique. Donec vel risus nibh. Nulla facilisi. Sed malesuada neque
        eu ligula iaculis, eget fermentum nulla venenatis. Donec lacinia ex ultricies bibend
        um consequat. Sed vitae libero at tortor tempor vestibulum. Praesent
        imperdiet feugiat lorem, ut commodo urna sollicitudin sit amet. Duis sed nulla nec t
        ellus posuere tristique. Vivamus faucibus, diam dignissim egestas
        elementum, quam mi dictum mauris, vitae elementum erat neque non velit. Nulla fi
        nibus hendrerit ligula, et porttitor lectus iaculis ut. Quisque a accumsan
        velit. Etiam commodo quam id nibh venenatis, vitae posuere ipsum sodales. Fusc
        e faucibus odio ac mi varius, sed venenatis odio eleifend.
    </b></p>
    <b><p class="link"><a href="https://www.google.com/">Search Google</a></p>
    <p class="link"><a href="mailto:arpanpanigrahi1@gmail.com">Email Me!</a></p>
    <p class="link"><a href="Assignment2a.html">Go to Assignment 3</a></p></b>
</body>
</html>
```

p1.css -

```
body {  
    background-color: aqua;  
}  
a {  
    color: #000;  
}  
.header{  
    text-align: center;  
}  
.name{  
    color: red  
}  
.page{  
    color: yellow  
}  
.image{  
    text-align: center;  
}  
.p1{  
    color: blue  
}  
.p2{  
    color: yellow  
}  
.link{  
    text-align: center;  
}
```

Output:



2. p2.html –

```
<!DOCTYPE html>
<html>
<head>
<title>Assignment 3</title>
<link rel="stylesheet" href=".//Assignment3.css">
</head>
<body>
<form>
<label for="name">Name:</label><br>
<input type="text" id="name"><br><br>

<label for="id">ID:</label><br>
<input type="text" id="id"><br><br>

<label for="password">Password:</label><br>
<input type="password" id="password"><br><br>

<label for="email">Email:</label><br>
<input type="email" id="email"><br><br>

<label for="age">Age:</label><br>
<input type="text" id="age"><br><br>

<label for="gender">Gender:</label><br>
<input type="radio" id="male" name="gender">
<label for="male">Male</label>
<input type="radio" id="female" name="gender">
<label for="female">Female</label>
<input type="radio" id="other" name="gender">
<label for="other">Other</label><br><br>

<label for="collegeAddress">College Address:</label><br>
<textarea id="collegeAddress" rows="4" cols="50"></textarea> <br><br>

<label for="branch">Select your branch:</label><br>
<select id="branch">
<option>CSE</option>
<option>ECE</option>
<option>EEE</option>
<option>AEI</option>
<option>MCA</option>
</select><br><br>

<label for="techSkill">Select your technical skill:</label><br>
<input type="checkbox" id="C">
<label for="C"> C</label><br>
<input type="checkbox" id="Java">
<label for="Java"> Java</label><br>
<input type="checkbox" id="Python">
```

```

<label for="Python"> Python</label><br>
<input type="checkbox" id="JSP">
<label for="JSP"> JSP</label><br><br>

<p>Click on the "Choose File" button to upload a file:</p>
<input type="file"><br><br>

<input type="submit">
<input type="reset">

</form>
</body>
</html>

```

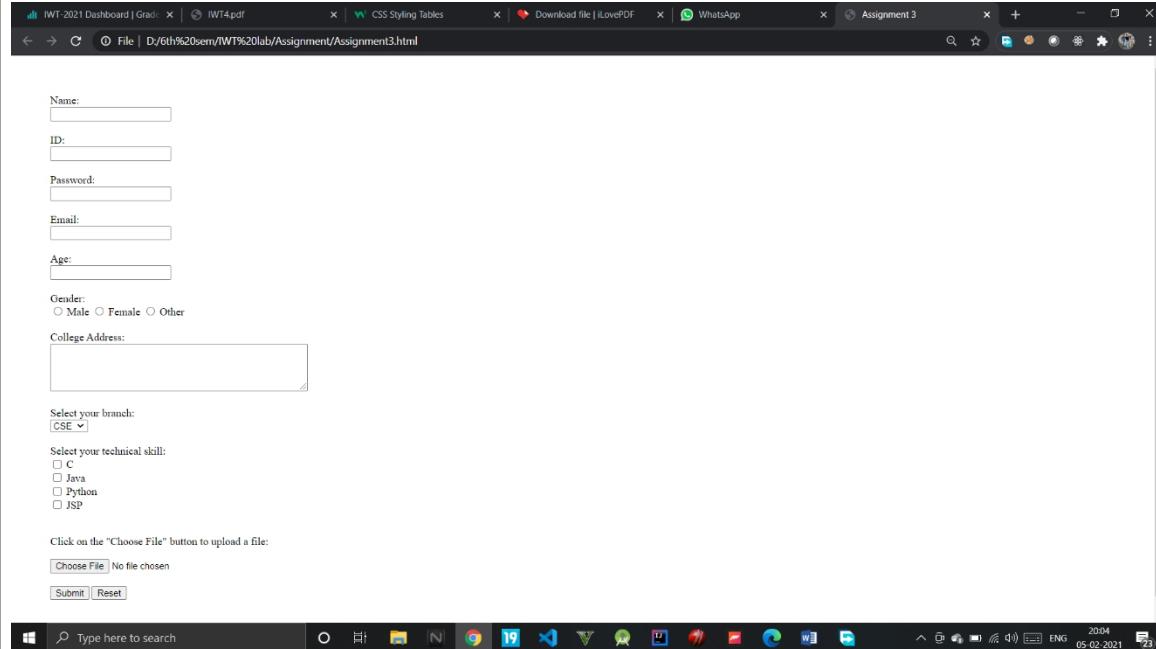
p2.css -

```

body{
    padding: 50px;
}

```

Output:



3. p3.html –

```
<!DOCTYPE html>
<html>
  <head>
    <title>Calendar</title>
    <link rel="stylesheet" href="./p1.css">
  </head>
  <body>
    <h1>Calendar of March 2021</h1><br><br>
    <table>
      <tr>
        <th>Sun</th>
        <th>Mon</th>
        <th>Tue</th>
        <th>Wed</th>
        <th>Thu</th>
        <th>Fri</th>
        <th>Sat</th>
      </tr>
      <tr>
        <td class="sunday"></td>
        <td>1</td>
        <td>2</td>
        <td>3</td>
        <td>4</td>
        <td>5</td>
        <td>6</td>
      </tr>
      <tr>
        <td class="sunday">7</td>
        <td class="holiday">8</td>
        <td>9</td>
        <td>10</td>
        <td class="holiday">11</td>
        <td>12</td>
        <td>13</td>
      </tr>
      <tr>
        <td class="sunday">14</td>
        <td>15</td>
        <td>16</td>
        <td>17</td>
        <td>18</td>
        <td>19</td>
        <td class="holiday">20</td>
      </tr>
      <tr>
        <td class="sunday">21</td>
        <td>22</td>
```

```
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
</tr>
<tr>
    <td class="sunday">28</td>
    <td class="holiday">29</td>
    <td>30</td>
    <td>31</td>
    <td></td>
    <td></td>
    <td></td>
</tr>
</table>
</body>
</html>
```

p3.css -

```
td{
    width: 50px
}
h1{
    text-align: center;
}
table{
    text-align: center;
    margin-left: auto;
    margin-right: auto;
}
table, td, th{
    border: 1px solid black;
}
td{
    background-color: green;
}
.sunday{
    background-color: red;
}
.holiday{
    background-color: blue;
}
```

Output:

The screenshot shows a Microsoft Edge browser window with four tabs open. The active tab displays a calendar titled "Calendar of March 2021". The calendar grid has the following data:

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

The browser's address bar shows the path: File | D:/6th%20sem/IWT%20lab/Assignment/Assignment4/p1.html. The taskbar at the bottom of the screen also displays the Windows Start button, a search bar, and various pinned application icons.

ASSIGNMENT NO:06

```
<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet" href="styles.css">
<title>ARPAN PANIGRAHI'S RESUME</title>
<h1>ARPAN PANIGRAHI</h1>
<h1>silicon student</h1>
<h2>studentsilicon@silicon.ac.in</h2>
<underline>
</head>
<hr>
<body>
<p>45,PATIA,NEAR DLF CYBERCITY,
BHUBANESWAR|ODISHA|ID|8908|13-34-564</p>
<br>
<h3>OVERVIEW:</h3>
<p>MY NAME IS ARPAN PANIGRAHI.
I HAIL FROM MUMBAI, MAHARASHTRA.
COMMING TO MY QUALIFICATION:
I AM PURSUING B.TECH IN CSE FROM SILICON INSTITUTE OF
TECHNOLOGY WITH 8.92 CGPA.
I HAVE DONE MY INTERMEDIATE EXAMINATION FROM NEH&JC WITH
81%.
I HAVE DONE MY MARTICULATION EXAMINATION FROM CBSE WITH
9.2 CGPA.
</p>
<h2>SELECTED COURSES</h2>
<ul><li>C</li>
<li>JAVA</li>
<li>DSA</li>
<li>PYTHON</li>
<li>HTML & CSS</li>
</ul>
<h3>Projects:</h3>
<ul><li>C PROJECT</li>
<li>JAVA PROJECT</li>
<li>DSA PROJECT</li>
<li>PYTHON PROJECT</li>
<li>HTML & CSS PROJECT</li>
</ul>
<h3>AWARDS:</h3>
<ul><li>ENTERPRENEURSHIP DEVELOPMENT CELL</li>
<li>ANDROID DEVELOPMENT</li>
<li>CSI MEMBERSHIP</li>
```

```

<li>PYTHON AWARD</li>
<li>WEB DEVELOPER</li>
</ul>
<hr>
<br>

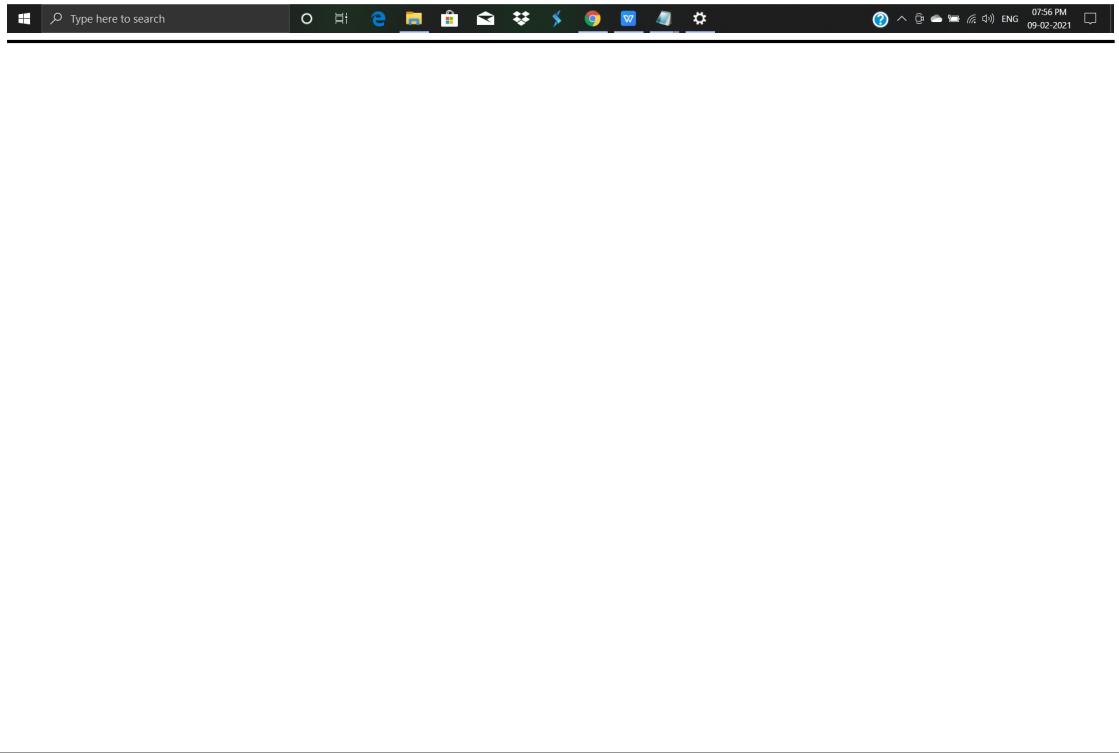
</body>
</html>

```

OUTPUT:

The screenshot shows a web browser window with the title bar '(1) WhatsApp' and the page title 'ARPAN PANIGRAHI'S RESUME'. The resume content includes:

- NAME:** ARPAN PANIGRAHI
- ROLE:** silicon student
- EMAIL:** studentsilicon@silicon.ac.in
- ADDRESS:** 45 PATIA, NEAR DLF CYBERCITY, BHUBANESWAR(ODISHA) ID#90813-34-564
- OVERVIEW:** MY NAME IS ARPAN PANIGRAHI. I HAIL FROM MUMBAI, MAHARASHTRA. COMMING TO MY QUALIFICATION: I AM PURSUING B TECH IN CSE FROM SILICON INSTITUTE OF TECHNOLOGY WITH 8.92 CGPA. I HAVE DONE MY INTERMEDIATE EXAMINATION FROM NEHRJC WITH 81%. I HAVE DONE MY MARTICULATION EXAMINATION FROM CBSE WITH 9.2 CGPA.
- SELECTED COURSES:**
 - C
 - JAVA
 - DSA
 - PYTHON
 - HTML & CSS
- Projects:**
 - C PROJECT
 - JAVA PROJECT
 - DSA PROJECT
 - PYTHON PROJECT
 - HTML & CSS PROJECT
- AWARDS:**
 - ENTEPRENEURSHIP DEVELOPMENT CELL
 - ANDROID DEVELOPMENT
 - CSI MEMBERSHIP
 - PYTHON AWARD
 - WEB DEVELOPER



```
*{
    background-color: #f5ffff ; color: #4b0082 ;font-size: 14px;
}
body{
background-color: #f5ffff ; color: #4b0082 ;font-size: 14px
; font-family: 'calibri' , 'sans-serif';
width: 80%;
margin-left: 10% ;margin-top: 3em;
}
h1{
    font-size: 2.2em;
    color: #4169E1;
    margin-inline-end: 0px;
    letter-spacing: 3px;
    text-transform: uppercase;

}
h2{
    color:royalblue;
    margin-inline-end: 0px;
    margin-top: 1.5em;

}
h3{
    font-style: italic;
    text-transform: uppercase;
    margin-inline-end: 0px;
}
p{
    margin-left: 4%;
    margin-top: 0px;
    margin-bottom: 0px;

}
ul{
    margin-left: 2%;
    margin-top: 0px;
    margin-bottom: 0px;
}
hr{
    color:#000080;
    background-color: #4169E1;
    margin-top: 0px;
    margin-bottom: 0px;
    line-height: 4px;

}-
```

AFTER APPLYING STYLESHEET:

OUTPUT:

ARPAN PANIGRAHI
SILICON STUDENT
studentsilicon@silicon.ac.in
45.PATIA,NEAR DLF CYBERCITY, BHUBANESWAR(ODISHA)|ID|8908|13-34-564

OVERVIEW:
MY NAME IS ARPAN PANIGRAHI. I HAIL FROM MUMBAI, MAHARASHTRA, COMMING TO MY QUALIFICATION; I AM PURSUING B.TECH IN CSE FROM SILICON INSTITUTE OF TECHNOLOGY WITH 8.92 CGPA. I HAVE DONE MY INTERMEDIATE EXAMINATION FROM NEHJC WITH 81%. I HAVE DONE MY Marticulation EXAMINATION FROM CBSE WITH 9.2 CGPA.

SELECTED COURSES:

- C
- JAVA
- DSA
- PYTHON
- HTML & CSS

PROJECTS:

- C PROJECT
- JAVA PROJECT
- DSA PROJECT
- PYTHON PROJECT
- HTML & CSS PROJECT

AWARDS:

- ENTREPRENEURSHIP DEVELOPMENT CELL
- ANDROID DEVELOPMENT
- CSI MEMBERSHIP
- PYTHON AWARD
- WEB DEVELOPER

NAME: ARPAN PANIGRAHI
SIC NO: 180310197
LAB ROLLNO: 17
GROUP: CSE A-1

ASSIGNMENT NO:07

ass7.html:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Arpan's Page</title>
    <link rel="stylesheet" href="ass7.css">
  </head>
  <body>
    <h1 class="header"><span class="name">Arpan's</span><span class="page"> Page</span></h1>
    <p class="image"></img></p>
    <p class="p1"><b>
```

 Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam sit amet elit ut ipsum porttitor hendrerit. Vestibulum non gravida enim, sed laoreet turpis.

 Sed vitae luctus orci, a pretium lacus. Sed vitae lacus ultricies, fermentum sem interdum, pellentesque nunc. Sed lobortis quis dui nec suscipit. Integer

 nibh magna, gravida blandit leo in, molestie hendrerit ipsum. Etiam vitae venenatis massa, vel tincidunt arcu. Nam vel erat non metus euismod aliquet.

 Aliquam eu blandit eros. Nam vel lorem nec nunc lobortis mollis. Mauris dictum lacinia massa, ut faucibus orci blandit vel. Quisque non ligula auctor,

 auctor justo et, accumsan ex. Donec velit dui, ultrices in feugiat in, pellentesque non tellus.

```
    </b></p>
```

```
    <p class="p2"><b>
```

 Quisque vehicula, odio eget sagittis molestie, nulla lectus vestibulum lacus, a consequat erat justo ac erat. Etiam egestas quis erat in mollis. Sed turpis

 orci, luctus malesuada facilisis ac, pulvinar eget mi. Etiam varius mi id orci iaculis tristique. Donec vel risus nibh. Nulla facilisi. Sed malesuada neque

 eu ligula iaculis, eget fermentum nulla venenatis. Donec lacinia ex ultricies bibendum consequat. Sed vitae libero at tortor tempor vestibulum. Praesent

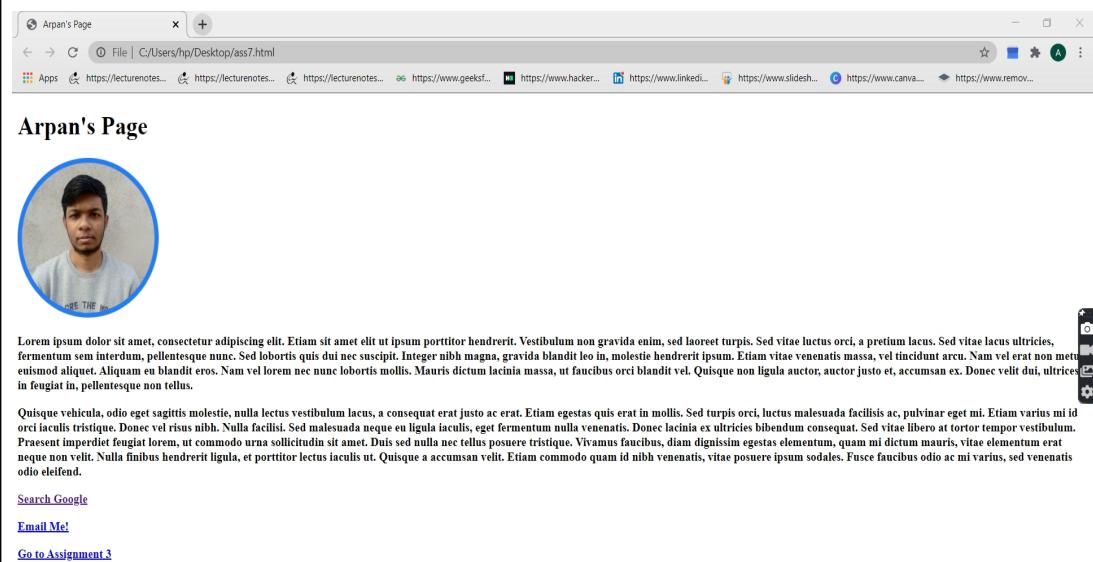
imperdiet feugiat lorem, ut commodo urna sollicitudin sit amet. Duis sed nulla nec tellus posuere tristique. Vivamus faucibus, diam dignissim egestas

elementum, quam mi dictum mauris, vitae elementum erat neque non velit. Nulla finibus hendrerit ligula, et porttitor lectus iaculis ut. Quisque a accumsan

velit. Etiam commodo quam id nibh venenatis, vitae posuere ipsum sodales. Fusce faucibus odio ac mi varius, sed venenatis odio eleifend.

```
</b></p>
<b><p class="link1"><a href="https://www.google.com/">Search Google</a></p>
<p class="link2"><a href="mailto:arpanpanigrahi1@gmail.com">Email Me!</a></p>
<p class="link3"><a href="Assignment3.html">Go to Assignment 3</a></p></b>
</body>
</html>
```

OUTPUT:

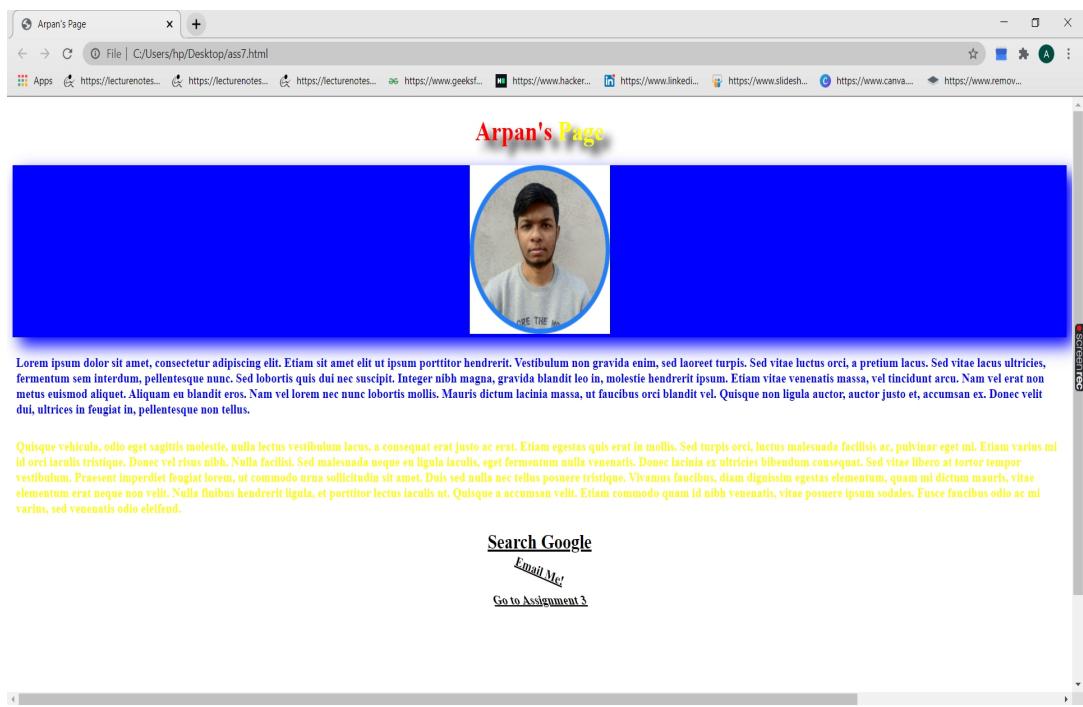


ass7.css

```
body {  
    background-color: aqua;  
    background: url(bg2.jpg);  
    background-repeat: no-repeat;  
    background-size: 100% 120%;  
}  
a {  
    color: #000;  
}  
.header{  
    text-align: center;  
}  
.name{  
    color: red;  
    text-shadow: 10px 10px 10px black;  
}  
.page{  
    color: yellow;  
    text-shadow: 10px 10px 10px black;  
}  
  
.image{  
    text-align: center;  
    box-shadow: 10px 10px 20px blue;  
    transition-duration: 0.5s;  
}  
.image:hover{  
    background: blue;  
}  
.p1{  
    color: blue;  
    border-radius: 25px;  
    border: 5px solid transparent;  
    border-image: url(image.jpeg) 30 round;  
}  
.p2{  
    color: yellow;  
    border: 5px solid transparent;  
    border-image: url(image.jpeg) 30 30 round;  
}  
.link1{  
    text-align: center;  
    transform: scale(1.5);  
}
```

```
.link2{  
    text-align: center;  
    transform: rotate(20deg);  
}  
.link3{  
    text-align: center;  
    transform: skew(20deg);  
}
```

OUTPUT:



**NAME: ARPAN PANIGRAHI
SIC NO: 180310197
LAB ROLLNO: 17
SECTION: CSE A1**

ASSIGNMENT 8

```
var firstname = 'Lata'

function
  hello(){ return
  'Hello World'
}

function
  a(){ return
  'Hello a!'
}

function
  b(){ return
  'Hello b!'
}

function
  greet(parameter){ return
  'Hello ' + parameter + '!'
}

function
  add(expression){ retu
  rn eval(expression)
}

function addWithSurcharge(num1,
  num2){ var surcharge = 0
  var s = 0
  if(num1 <=
  10){
    surcharge = surcharge + 1
  }else{
    surcharge = surcharge + 2
  }

  if(num2 <= 10){
    surcharge = surcharge + 1
  }else{
    surcharge = surcharge + 2
  }

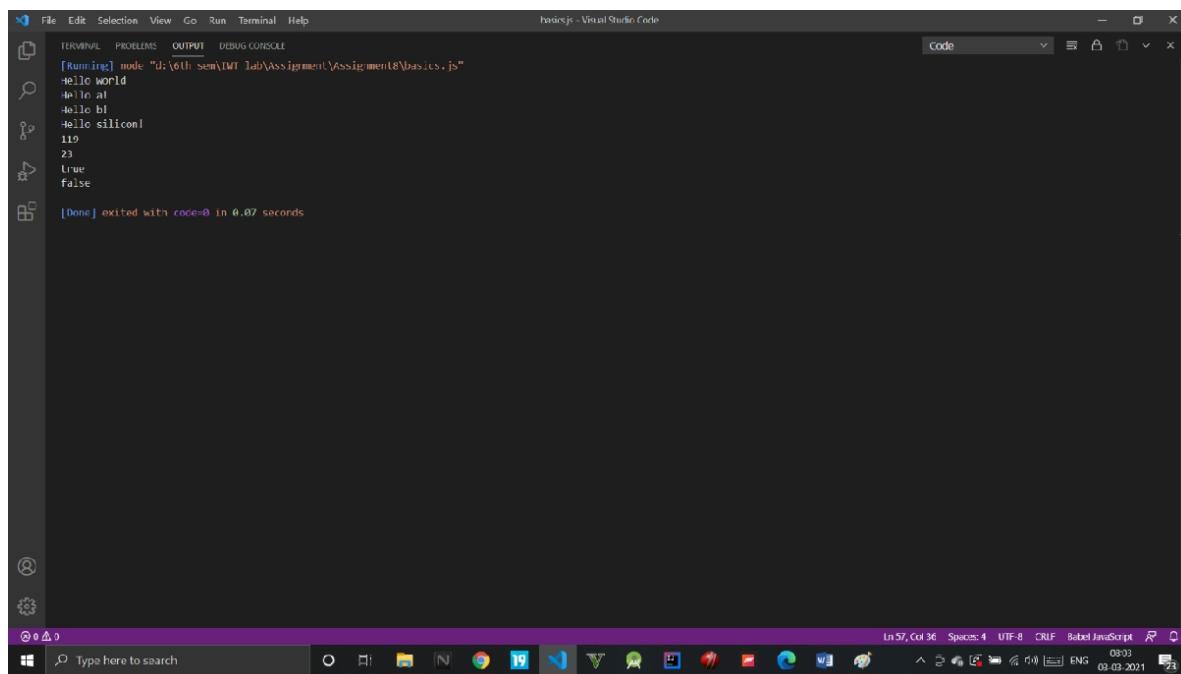
  s = num1 + num2 +
  surcharge return s
}

function isThreeDigit(num){}
```

```
if(num >= 100 && num <
    1000){ return true
}else{
    return false
}

console.log(hello())
) console.log(a())
console.log(b())
console.log(greet('silicon'))
console.log(add('102+17'))
console.log(addWithSurcharge(5,
15)) console.log(isThreeDigit(500))
console.log(isThreeDigit(50))
```

OUTPUT:



```
basics.js - Visual Studio Code
File Edit Selection View Go Run Terminal Help
TERMINAL PROBLEMS OUTPUT DEBUG CONSOLE
[Running] node "D:\6th Sem\IWT Lab\Assignment\Assignments\basis.js"
Hello world
Hello al
Hello bl
Hello silicon!
119
23
true
false
[Done] exited with code=0 in 0.07 seconds
```

**NAME: ARPAN PANIGRAHI
LAB ROLL NO: 17
SIC NO: 180310197
GROUP: CSE A-1**

Assignment - 09

Q01> Write a function length that takes a string and returns the number of characters of the string

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-
scale=1.0" />
    <title>Question 01</title>
    <script>
      let str1 = prompt("Enter a string", "Sample String");
      function length(str2) {
        return str2.length;
      }
      document.write(
        `<p>number of characters in '${str1}': ${length(str1)}</p>`,
      );
    </script>
  </head>
  <body></body>
</html>
```

Q02> Write a function firstChar, which returns the first character that is not a space when a string is passed

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-
scale=1.0" />
    <title>Question 02</title>
    <script>
      let str1 = prompt("Enter a String", "Sample String");
      function firstChar(str2) {
        let i = 0;
        let char = str2.charAt(i);
        while (char === " ") {
          i++;
          char = str2.charAt(i);
        }
        return char;
      }
    </script>
  </head>
  <body></body>
</html>
```

```

        }
        document.write(
            `<pre>First non-space character in '${str1}':
${firstChar(str1)}</pre>`,
        );
    </script>
</head>
<body></body>
</html>

```

Q03> Write a function firstWord, taking a string and returning the first word in that string. The first word are all characters up to the first space

```

<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8" />
        <meta http-equiv="X-UA-Compatible" content="IE=edge" />
        <meta name="viewport" content="width=device-width, initial-
scale=1.0" />
    <title>Question 03</title>
    <script>
        let str1 = prompt("Enter a String", "Sample String");
        function firstWord(str2) {
            let arr = str2.split(" ");
            let i = 0;
            while (arr[i].charAt(0) === "") i++;
            return arr[i];
        }
        document.write(`<pre>First word in '${str1}'<br>
${firstWord(str1)}</pre>`);
    </script>
</head>
<body></body>
</html>

```

Q04> Write a function normalize, that replaces '-' with '/' in a date string

```

<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8" />
        <meta http-equiv="X-UA-Compatible" content="IE=edge" />
        <meta name="viewport" content="width=device-width, initial-
scale=1.0" />
    <title>Question 04</title>
    <script>

```

```

let date = prompt(
    "Enter a date with the same format as given",
    "27-02-2021",
);
function normalize(str1) {
    return str1.replace(/-/g, "/");
}
document.write(`<p>${date} is converted to:
${normalize(date)}</p>`);
</script>
</head>
<body></body>
</html>

```

Q05> Write a function mean that takes 2 numbers and returns their mean value

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-
scale=1.0" />
    <title>Question 05</title>
    <script>
        let num1 = prompt("Enter a number", "8");
        let num2 = prompt("Enter a number", "5");
        function mean(n1, n2) {
            let ni1 = parseInt(n1);
            let ni2 = parseInt(n2);
            return (ni1 + ni2) / 2.0;
        }
        document.write(
            `<p>Mean of ${num1} and ${num2} is: ${mean(num1, num2)}</p>`,
        );
    </script>
</head>
<body></body>
</html>

```

Q06> Write a function toArray that takes 2 values and returns these values in an array

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />

```

```

<meta name="viewport" content="width=device-width, initial-
scale=1.0" />
<title>Question 06</title>
<script>
let num1 = prompt("enter a number", "7");
let num2 = prompt("enter a number", "9");
function toArray(n1, n2) {
    let arr = [];
    arr.push(n1);
    arr.push(n2);
    return arr;
}
document.write(
    `<p>Values ${num1} and ${num2} returned in an array:
${toArray(
        num1,
        num2,
    )}</p>`,
);
</script>
</head>
<body></body>
</html>

```

Q07> Write a function sort that takes an array filled with 3 numbers and returns these 3 numbers sorted in ascending order as an array

```

<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8" />
<meta http-equiv="X-UA-Compatible" content="IE=edge" />
<meta name="viewport" content="width=device-width, initial-
scale=1.0" />
<title>Question 07</title>
<script>
let num1 = prompt("Enter a number", "2");
let num2 = prompt("Enter a number", "3");
let num3 = prompt("Enter a number", "1");
function sort(arr) {
    let i, j;
    for (i = 0; i < arr.length - 1; i++)
        for (j = 0; j < arr.length - i - 1; j++)
            if (arr[j] > arr[j + 1])
                [arr[j], arr[j + 1]] = [arr[j + 1], arr[j]];
    return arr;
}
document.write(`<p>Unsorted array: ${[num1, num2, num3]}</p>`);

```

```

        document.write(
            `<p>Array returned by sort(): ${sort([num1, num2,
num3])}</p>`,
        );
    </script>
</head>
<body></body>
</html>

```

Q08> Write a function `rotate` that rotates the elements of an array. All elements should be moved one position to the left. The 0th element should be placed at the end of the array. The rotated array should be returned

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-
scale=1.0" />
    <title>Question 08</title>
    <script>
        let arr_raw = prompt(
            "Enter elements of array as space separated integers",
            "1 2 3 4 5 6",
        );
        let arr = arr_raw.split(" ");
        function rotate(array) {
            let temp = array[0];
            let i;
            for (i = 0; i < array.length; i++) array[i] = array[i + 1];
            array[array.length - 1] = temp;
            return array;
        }
        document.write(`<p>Original array: ${arr}</p>`);
        document.write(`<p>Rotated array: ${rotate(arr)}</p>`);
    </script>
</head>
<body></body>
</html>

```

Q09> Write a function `concatUp` that concatenate two arrays. The longer array should be appended to the shorter array. If both arrays are equally long, the second array should be appended to the first array

```

<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-
scale=1.0" />
    <title>Question 09</title>
    <script>
      let arr1 = prompt(
        "Enter first array as space separated integers",
        "1 2 3 4 5",
      ).split(" ");
      let arr2 = prompt(
        "Enter second array as space separated integers",
        "6 7",
      ).split(" ");

      function concatUp(ar1, ar2) {
        let first_ar,
          second_ar,
          new_ar = [];
        if (ar1.length <= ar2.length) {
          first_ar = ar1;
          second_ar = ar2;
        } else {
          first_ar = ar2;
          second_ar = ar1;
        }
        let i = 0;
        for (; i < first_ar.length; i++) new_ar[i] = first_ar[i];
        for (; i < first_ar.length + second_ar.length; i++)
          new_ar[i] = second_ar[i - first_ar.length];
        return new_ar;
      }

      document.write(`<p>First array: ${arr1}</p>`);
      document.write(`<p>Second array: ${arr2}</p>`);
      document.write(`<p>Concatenated array: ${concatUp(arr1,
arr2)}</p>`);
    </script>
  </head>
  <body></body>
</html>

```

Q10> Write a function flat that flattens a two-dimensional array with 3 entries

```

<!DOCTYPE html>
<html lang="en">

```

```

<head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-
scale=1.0" />
    <title>Question 10</title>
    <script>
        let arr = [
            [4, 9, 2],
            [3, 5, 7],
            [8, 1, 6],
        ];

        function flat(ar_2dm) {
            let ar_flat = [];
            let i, j, k;
            k = 0;
            for (i = 0; i < ar_2dm.length; i++) {
                for (j = 0; j < ar_2dm[i].length; j++) {
                    ar_flat[k] = ar_2dm[i][j];
                    k++;
                }
            }
            console.log(ar_2dm);
            console.log(ar_flat);
            return ar_flat;
        }

        document.write(`<p>2 dimensionsal array:
${JSON.stringify(arr)}</p>`);
        document.write(`<p>Flattened array:
${JSON.stringify(flat(arr))}</p>`);
    </script>
</head>
<body></body>
</html>

```

Q11> Write a function add that takes a string with a summation task and returns its result as a number. A finite number of natural numbers should be added. The summation task is a string of the form '1+19+...+281'

```

<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8" />
        <meta http-equiv="X-UA-Compatible" content="IE=edge" />
        <meta name="viewport" content="width=device-width, initial-
scale=1.0" />
        <title>Question 11</title>

```

```

<script>
let task_raw = prompt("Enter a summation task", "7+12+100");

function add(task) {
    arr = task.split("+").map(Number);
    let sum = 0;
    for (let i = 0; i < arr.length; i++) sum += arr[i];
    return sum;
}

document.write(`<p>Summation Task: ${task_raw}</p>`);
document.write(`<p>Result: ${add(task_raw)}</p>`);
</script>
</head>
<body></body>
</html>

```

Q12> Write a function factorial that calculates the factorial of a positive integer

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-
scale=1.0" />
    <title>Question 12</title>
    <script>
        let number = parseInt(prompt("Enter a number to find factorial",
"4"));

        function factorial(num) {
            let fact = 1;
            if (num === 0) return 1;
            for (let i = 1; i <= num; i++) fact *= i;
            return fact;
        }

        document.write(`<p>Factorial of ${number} is:
${factorial(number)}</p>`);
    </script>
</head>
<body></body>
</html>

```

Q13> Write a function for Getting the current date and time

```

<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-
scale=1.0" />
    <title>Question 13</title>
    <script>
      let date = new Date();
      let cur_time = date.toLocaleTimeString();
      let cur_date = date.toLocaleDateString();

      document.write(`<p>Current date: ${cur_date}</p>`);
      document.write(`<p>Current time: ${cur_time}</p>`);
    </script>
  </head>
  <body></body>
</html>

```

Q14> Write a function replace all string written within
 ‘ ‘ in another string to XXX

```

<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-
scale=1.0" />
    <title>Question 14</title>
    <script>
      let str = prompt(
        "Enter a string containing text in single quotes",
        "Hello 'Your Name'. Welcome to the party",
      );

      function replace_with_regex(str1) {
        return str1.replace(/'[^']*'/, "'XXX'");
      }

      document.write(`<o>Original string: ${str}</p>`);
      document.write(`<o>Substituted string:
${replace_with_regex(str)}</p>`);
    </script>
  </head>
  <body></body>
</html>

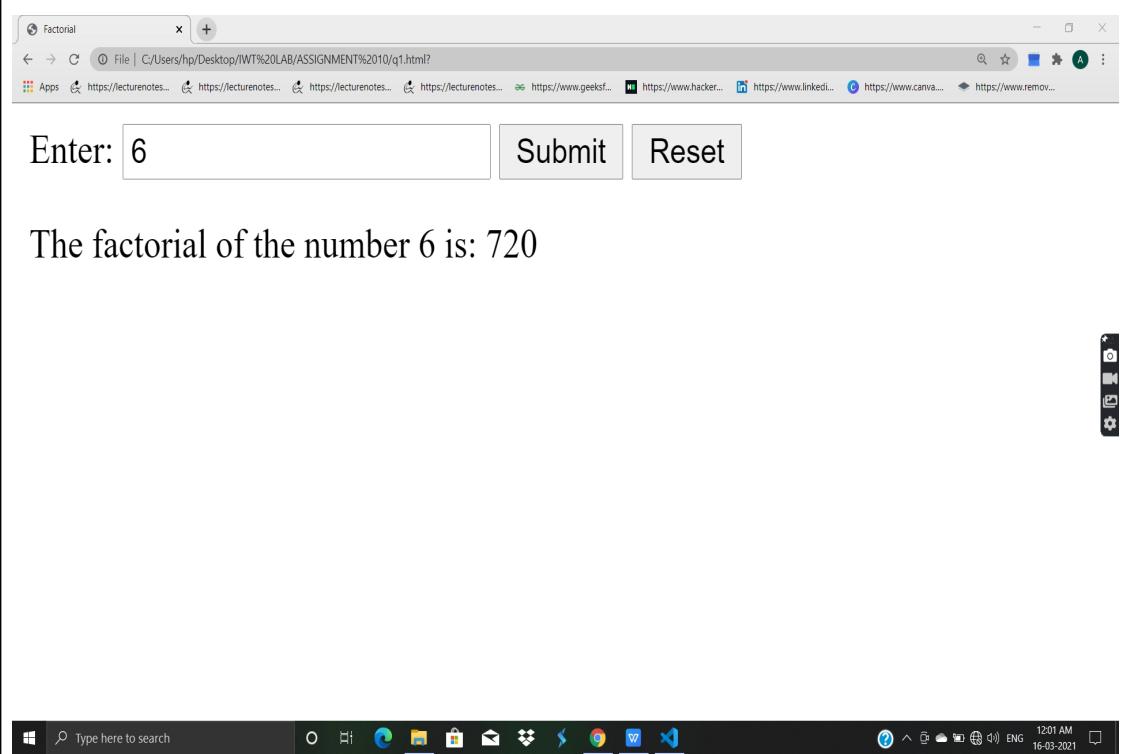
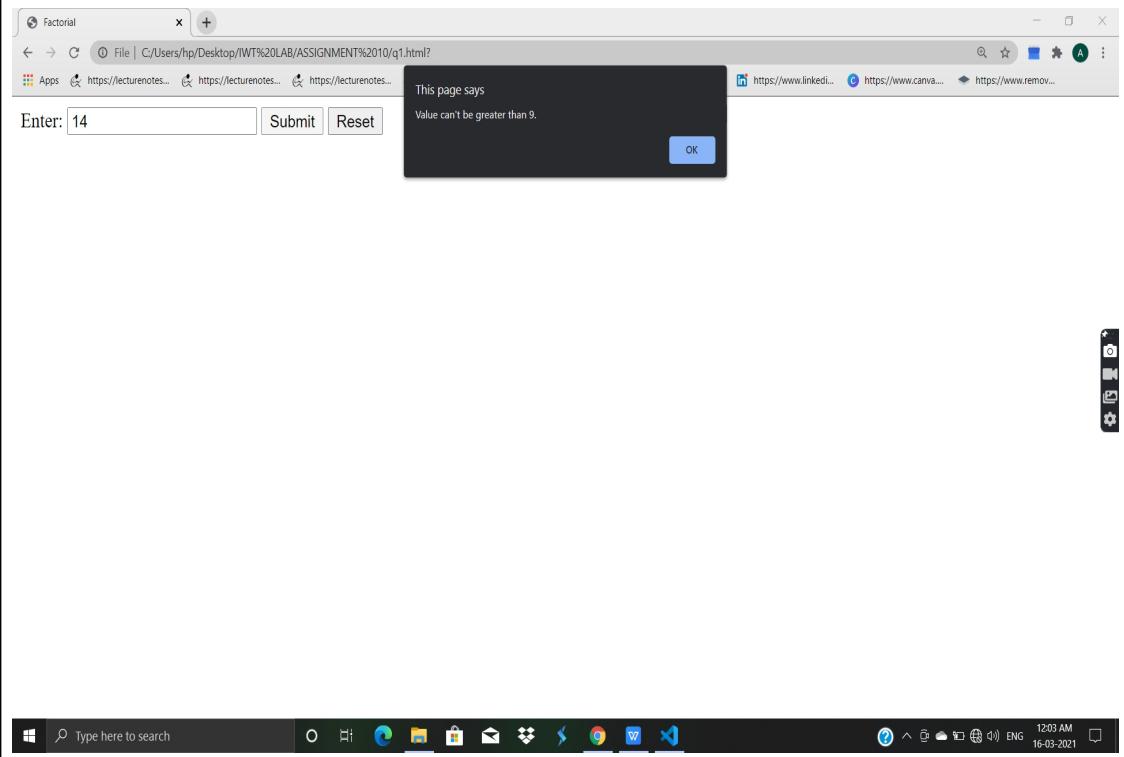
```

ASSIGNMENT NO:10

1. Write a JavaScript code to take the value in a text field and writes its factorial value. The input value should be less than 10 and should not be empty.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Factorial</title>
    <script>
        function factorial(){
            var i,f=1;
            const x = document.getElementById("ip").value;
            if(x.length == 0)
            {
                alert("Field can't be Empty.");
                return false;
            }
            if(x>=10)
            {
                alert("Value can't be greater than 9.");
            }
            else
            {
                for(i=1;i<=x;i++)
                {
                    f = f*i;
                }
                document.getElementById("par").innerHTML = "The factorial of the number " + x + " is: " + f ;
            }
        }
    </script>
</head>
<body>
    <div class="container">
        <form>
            <label>Enter: </label>
            <input type="number" placeholder="Enter any number" id="ip" />
            <input type="button" value="Submit" onclick="factorial()" />
            <input type="reset">
            <p id="par"></p>
        </form>
    </div>
</body>
</html>
```

OUTPUT:



2. Write a JavaScript code to take a password string and validate the following, i. Length should be between 8 and 12 character ii. At least one special character iii. At least a number iv. At least one uppercase v. Should be match to re-write text box vi. Should not be visible vii. Should alert strong and weak message if any of the above condition not matched viii. Should write correct password message on submitting of the form? ix. Should be a rest button to clear the form

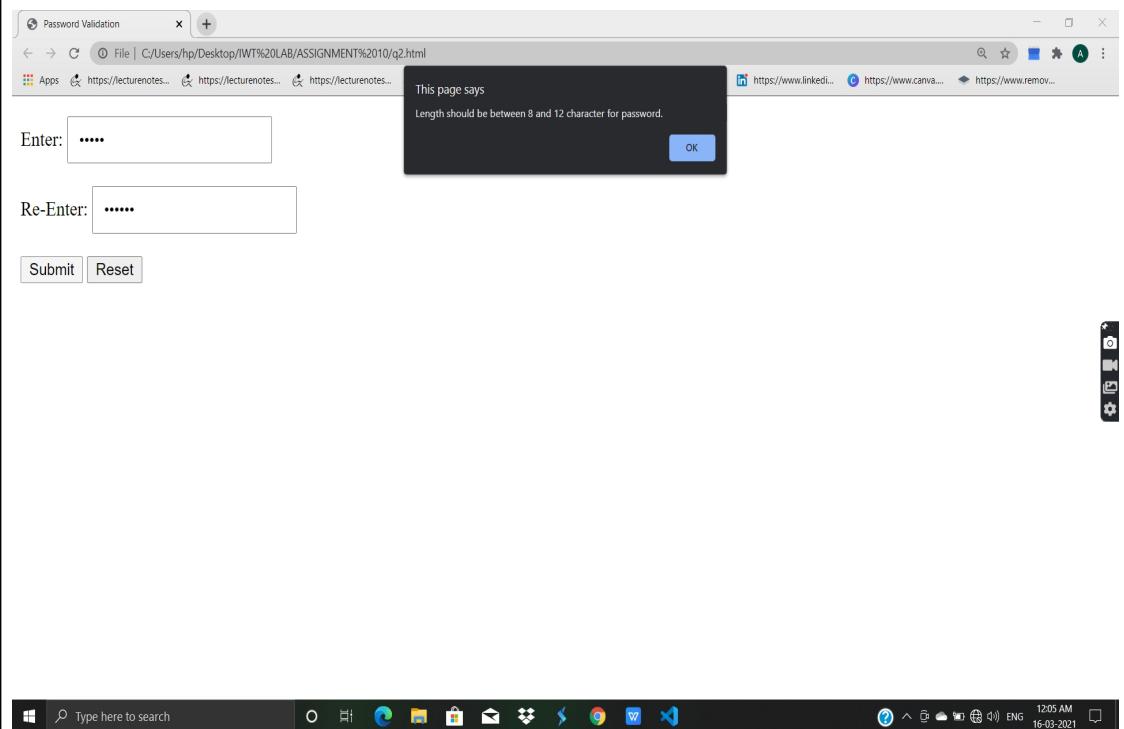
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Password Validation</title>
    <script>
        function password()
        {
            const x = document.getElementById('pas').value;
            const y = document.getElementById('re-pas').value;

            const regex = new RegExp("(?=.*[ !@#$%^&*])(?=.*[0-9])(?=.*[A-Z])");

            if(x.length < 8 || x.length > 12)
            {
                alert('Length should be between 8 and 12 character for password.');
                return false;
            }
            if(y.length<8 || y.length>12)
            {
                alert('Length should be between 8 and 12 character for Re-entering password.');
                return false;
            }
            if(regex.test(x)==false || regex.test(y)==false)
            {
                document.getElementById('val-err').innerHTML = '*At least one special character and one number and one uppercase.';
                alert('Weak Password.');
                return false;
            }
            if(regex.test(x)==true && regex.test(y)==true)
            {
                alert('Strong Password.')
            }
            if(x==y)
            {
                document.getElementById('crr').innerHTML = 'Correct Password.'
            }
            if(x!=y)
            {
                document.getElementById('err').innerHTML = 'Incorrect Password.'
            }
        }
    </script>
```

```
</head>
<body>
    <div class="container">
        <form>
            <p style="color: red;" id="val-err"></p>
            <label>Enter: </label>
            <input style="padding: 9px;" type="password" id="pas" placeholder="Password" required />
            <br><br>
            <label>Re-Enter: </label>
            <input style="padding: 9px;" type="password" id="re-pas" placeholder="Confirm Password" />
            <br><br>
            <input type="button" value="Submit" onclick="password()" />
            <input type="reset">
            <p style="color: green;" id="crr"></p>
            <p style="color: red;" id="err"></p>
        </form>
    </div>
</body>
</html>
```

OUTPUT:



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SIC NO: 180310197
LAB ROLL NO: 17
GROUP: CSE A1**

The screenshot shows a Windows desktop environment with a browser window titled "Password Validation". The URL in the address bar is "C:/Users/hp/Desktop/IWT%20LAB/ASSIGNMENT%2010/q2.html". The page contains two input fields: "Enter:" and "Re-Enter:", both containing the password "*****". A modal dialog box is displayed with the text "This page says" and "Strong Password." followed by an "OK" button. Below the input fields are "Submit" and "Reset" buttons. The taskbar at the bottom shows various pinned icons and the system tray indicates the date and time as 16-03-2021 12:07 AM.

This screenshot is similar to the one above, but the modal dialog box now displays the text "Incorrect Password." instead of "Strong Password.", indicating an unsuccessful password attempt. The rest of the interface and system status remain the same.

This screenshot shows the application again, but this time the modal dialog box displays the text "Correct Password." in green, signifying a successful password entry. The desktop environment and taskbar details are identical to the previous screenshots.

ASSIGNMENT NO:11

1. Form.html

```

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Registration Form</title>
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css"
          integrity="sha384-
9aIt2nRpC12Uk9gS9baD1411NQApFmC26EwAOH8WgZl5MYxFfc+NcPb1dKGj7Sk" crossorigin="an
onymous">
    <style>
        * {
            margin: 0;
            padding: 0;
        }

        body {
            background-image: url(scen.jfif);
            background-position: center;
            background-size: cover;
            margin-top: 40px;
        }

        .reg {
            width: 700px;
            background-color: rgba(0, 0, 1, 0.733);
            margin: auto;
            color: white;
            padding: 10px 0px 10px 0px;
            text-align: center;
            border-radius: 15px 15px 0px 0px;
        }

        .container{
            background-color: rgba(0, 0, 1, 0.685);
            width: 700px;
            padding-top: 35px;
            margin: auto;
        }
    </style>

```

```

    }
    form{
        /* padding: 10px; */
        color: white;
    }
    .edit{
        padding-left: 195px;
    }
</style>
</head>

<body>
    <div class="reg">
        <h1>Registration Form</h1>
    </div>

    <div class="container">
        <div class="row">

            <div class="col-md-9 edit">

                <form>
                    <div class="alert alert-
warning" id="error" style="display: none;"></div>
                    <div class="form-group">

                        <input type="text" class="form-
control" id="full_name" placeholder="Full Name">

                    </div>
                    <div class="form-group">
                        <input type="email" class="form-
control" id="email" placeholder="Email" required>
                    </div>
                    <div class="form-group">
                        <input type="tel" class="form-
control" id="phone" placeholder="Phone" required>
                    </div>
                    <div class="form-group pl-3">
                        <input type="radio" class="radioGender" name="radiog" id=
"geneder_1" value="M">Male<br />
                        <input type="radio" class="radioGender" name="radiog" id=
"geneder_2" value="F">Female
                    </div>
                    <div class="form-group">

```

```

        <select class="form-control" id="city">
            <option value="">Select City</option>
            <option value="Bhubaneswar">Bhubaneswar</option>
            <option value="Kolkata">Kolkata</option>
            <option value="Hyderabad">Hyderabad</option>
            <option value="Delhi">Delhi</option>
        </select>
    </div>
    <!-- <div class="form-group">
        <textarea type="text" class="form-
control" id="text" placeholder="Enter Your Text Here" ></textarea>
    </div> -->
    <div class="form-group pl-3">
        <input type="checkbox" class="form-check-
input" id="i_agree" value="Y"> I agree to Terms and
        Conditions
    </div>

    <div class="form-group text-right">
        <input type="submit" class="btn btn-primary"></div>
        <div class="alert alert-
success" id="success" style="display: none;"></div>
    </div>
    </form>
</div>
</div>

<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
    integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
    crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.mi
n.js"
    integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
    crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.
min.js"
    integrity="sha384-
0gVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI"
    crossorigin="anonymous"></script>
<script src=".regform.js"></script>
</body>

```

```
</html>
```

Form.js

```
document.querySelector('.btn-primary').addEventListener("click",function(e){

    let valid = 1;
    const full_name = document.getElementById('full_name').value;
    if(full_name.trim() == "" && valid == 1){
        document.getElementById("error").style.display="block";
        document.getElementById("error").innerText="Please enter your full name";
        valid=0;
    }else{
        if(full_name.length<3 && valid==1){
            document.getElementById("error").style.display="block";
            document.getElementById("error").innerText="Please enter full name can't be less than 3 characters";
            valid=0;
        }
    }
    const email = document.getElementById('email').value;

    if(email.trim() == "" && valid==1){
        document.getElementById("error").style.display="block";
        document.getElementById("error").innerText="Please enter your Email";
        valid=0;
    }
    const phone = document.querySelector('#phone').value;
    let gender="";
    for(rb of document.querySelectorAll('.radioGender')){
        if(rb.checked){
            gender=rb.value;
        }
    }

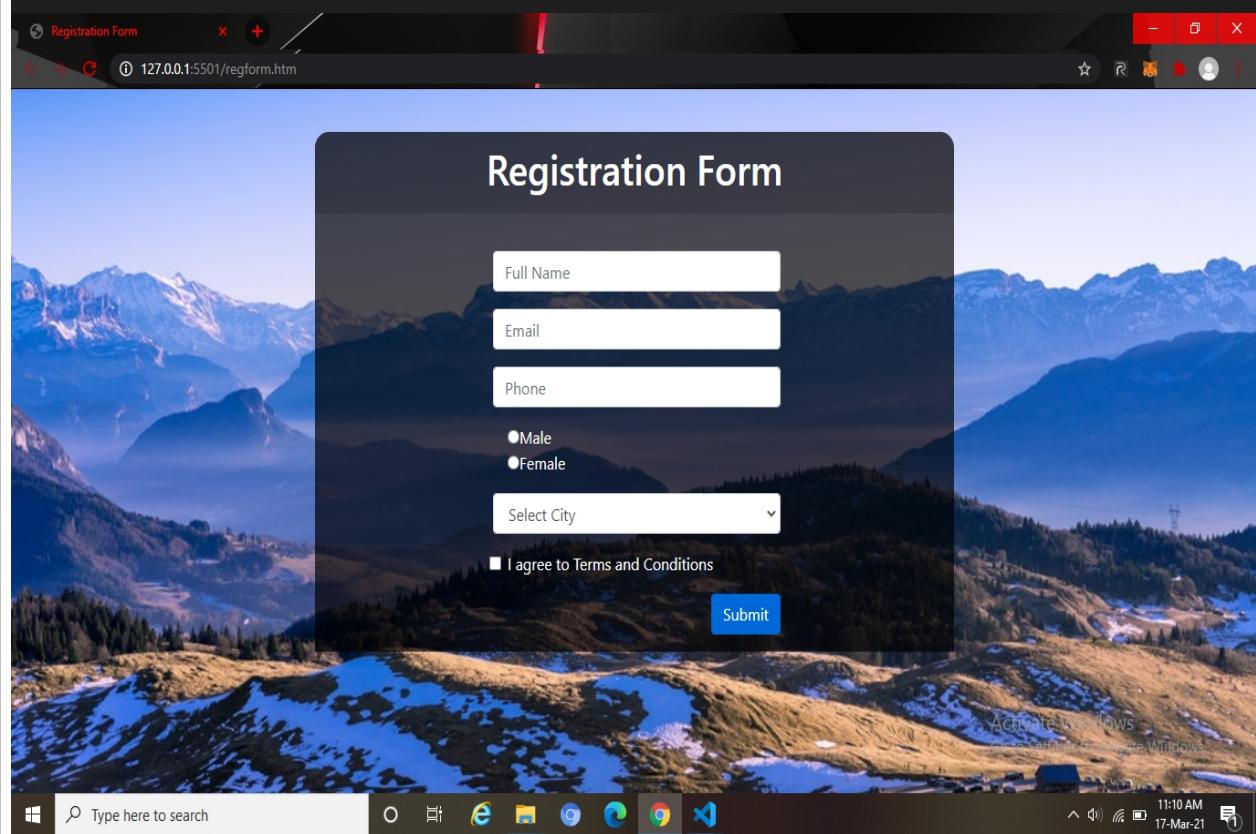
    const city = document.getElementById("city").value;

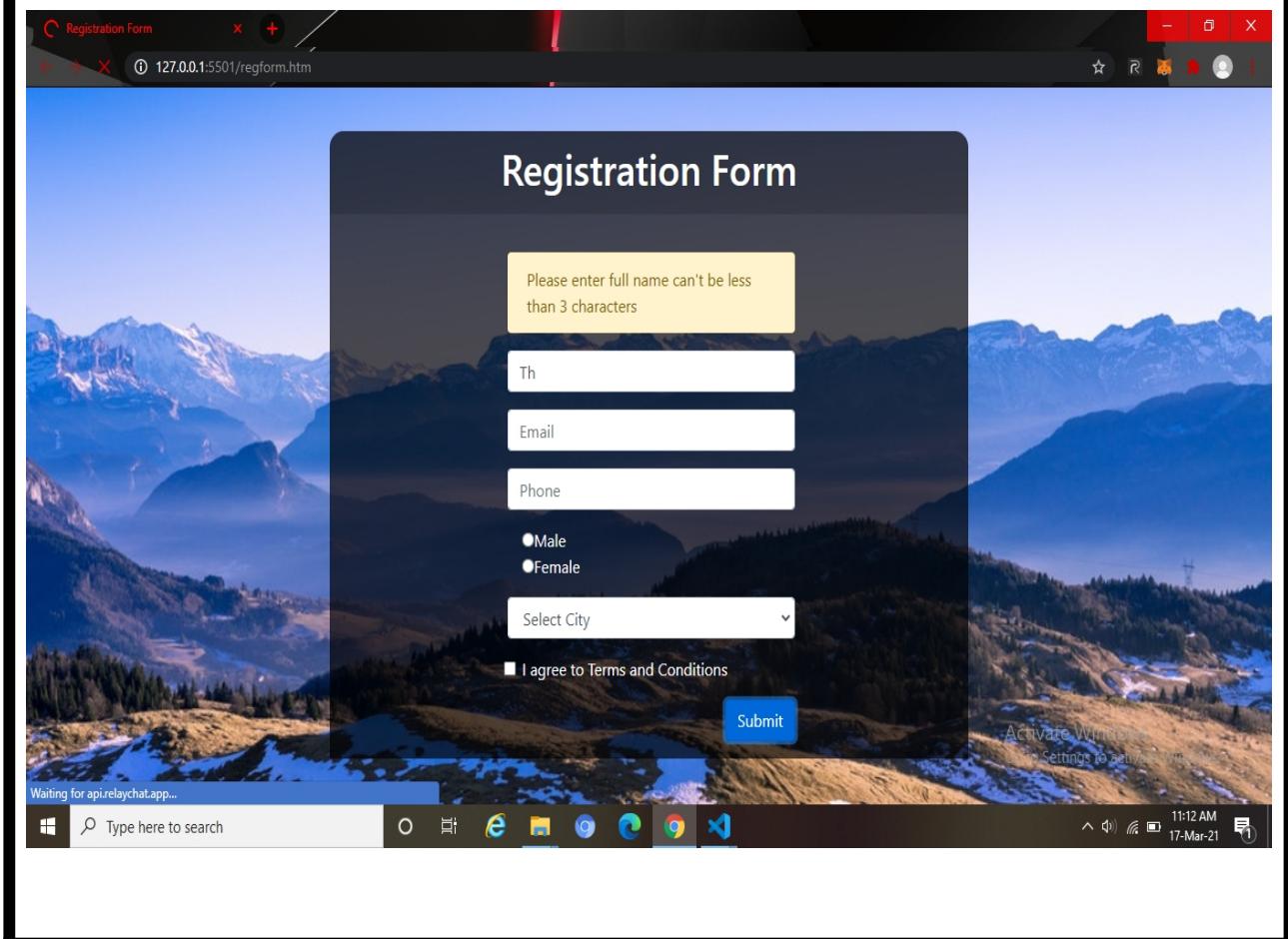
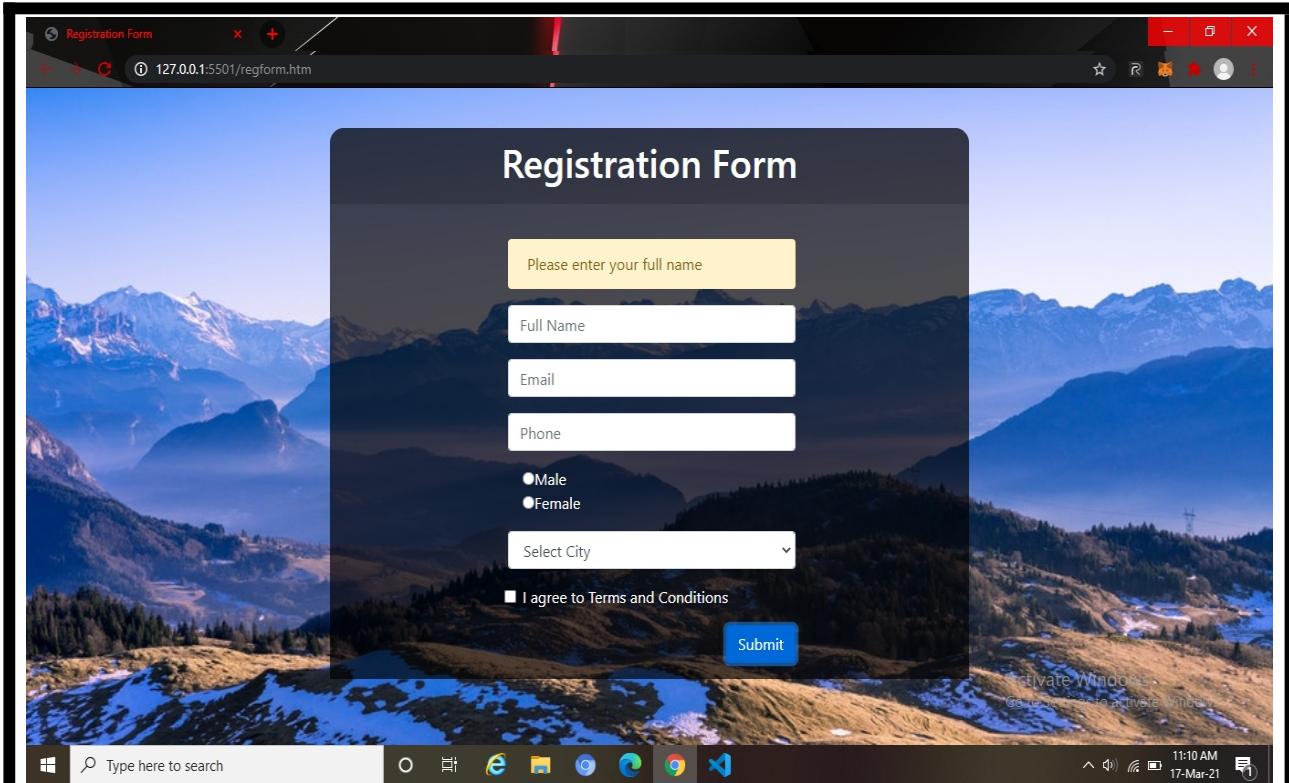
    const agree = document.getElementById("i_agree").value;

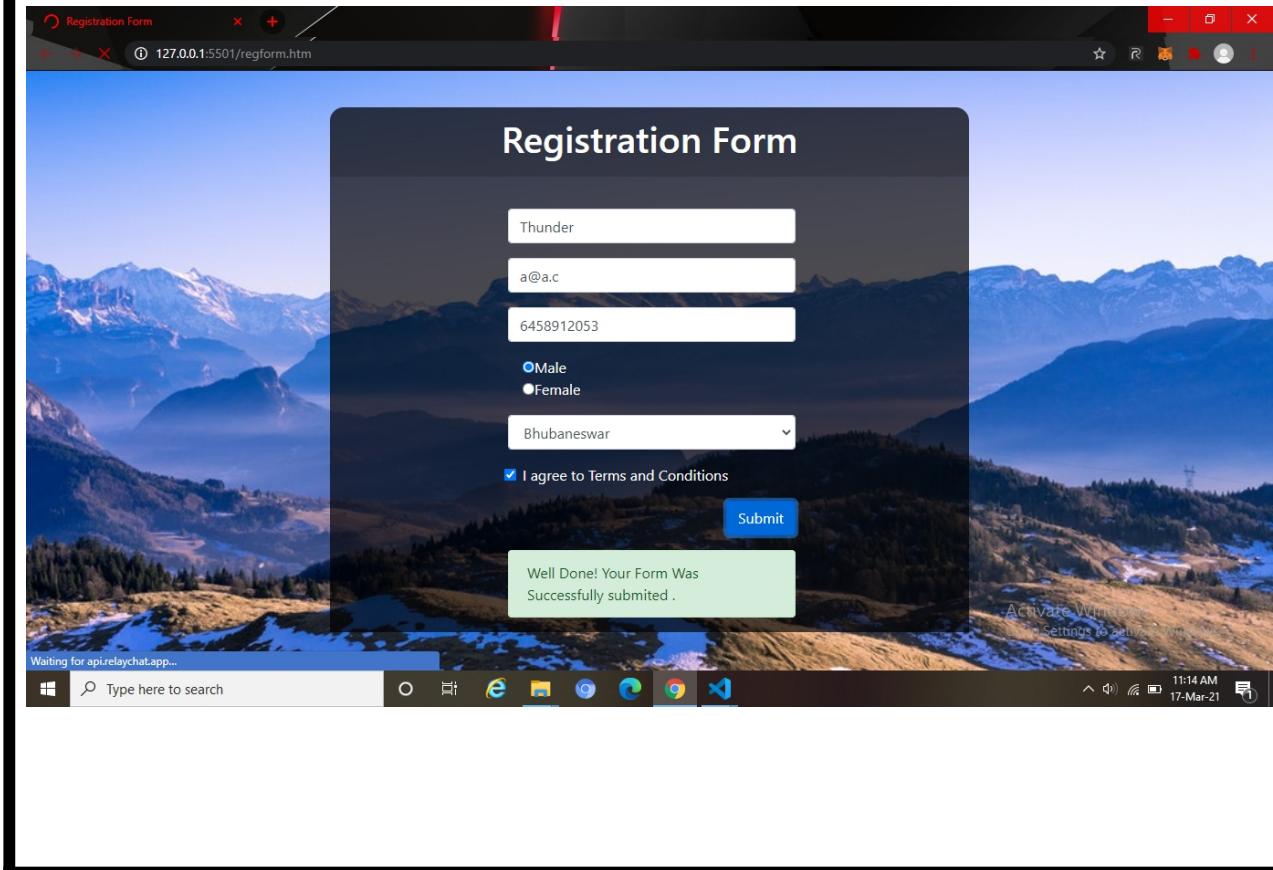
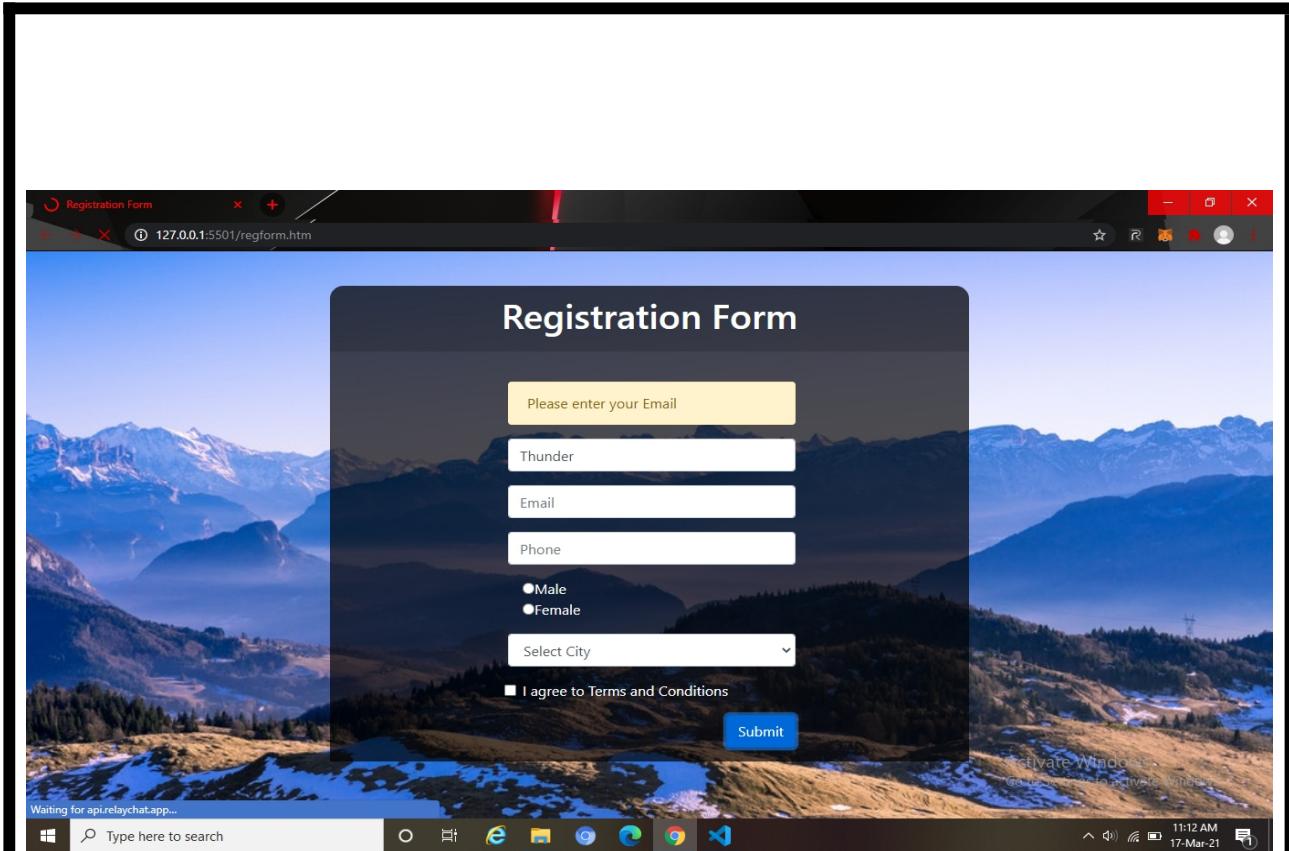
    console.log(`Full Name : ${full_name} | Email : ${email} | Phone : ${phone}
| Geneder:${gender} | City : ${city} | Agree:${agree}`)
```

```
if(valid == 1)
{
    document.getElementById("error").style.display="none";
    document.getElementById("success").style.display="block";
    document.getElementById("success").innerText="Well Done! Your Form Was Su
ccessfully submitted .";
}

e.preventDefault();
})
```







2. MCQs

```

if (selected.length == 0) {
    alert("Feild can't be Empty.");
    return false
}
if(selected[0] == 'B' && selected[1]=='C'){
    document.getElementById('q2-err').innerHTML = ''
    document.getElementById('q2-crr').innerHTML = 'Correct Answer'
    z=z+1
}
else{
    document.getElementById('q2-crr').innerHTML = ''
    document.getElementById('q2-err').innerHTML = 'Incorrect Answer'
    return false
}
}

function q3(){
let ans="";
for(rb of document.querySelectorAll('.radioQue')){
    if(rb.checked){
        ans=rb.value;
    }
}
if(ans.length === 0){
    alert("Feild can't be Empty");
    return false
}
if(ans === "D"){
    document.getElementById('q3-err').innerHTML = ''
    document.getElementById('q3-crr').innerHTML = 'Correct Answer'
    z=z+1
}
else{
    document.getElementById('q3-crr').innerHTML = ''
    document.getElementById('q3-err').innerHTML = 'Incorrect Answer'
    return false
}
}

function q4(){
var dropDown = document.getElementById('ans'), ansArray = [], i;
for (i = 0; i < dropDown.options.length ; i += 1) {
    if (dropDown.options[i].selected) {
        ansArray.push( dropDown.options[i].value);
    }
}
console.log(ansArray);
}

```

```

if(ansArray[0] == 'A' && ansArray[1] == 'D'){
    document.getElementById('q4-err').innerHTML = ''
    document.getElementById('q4-crr').innerHTML = 'Correct Answer'
    z=z+1
}
else {
    document.getElementById('q4-crr').innerHTML = ''
    document.getElementById('q4-err').innerHTML = 'Incorrect Answer'
    return false
}
document.getElementById('res').innerHTML = 'You Scored '+z+'/'+4
}
</script>
</head>
<body>
<h1 style="margin-left: 512px;">Solve these given MCQs</h1>
<div style="margin-left: 69px;" class="container">

<form>
<p><strong style="color: tomato; font-size: 30px;" id="res"></strong></p>
<p>1. What is the time complexity of Linear search?</p>
<label>Ans: </label>
<input type="text" id="que" placeholder="Enter your answer here." />
<input type="button" value="Submit" onclick="q1()" />
<input type="reset">
<p style="color: green;" id="crr"></p>
<p style="color: red;" id="err"></p>

<div>
<p>2. Choose application of Greedy algorithm?</p>
<div id="check">
<input type="checkbox" id="a" value="A"/>Binary Search
<input type="checkbox" id="b" value="B"/>MST
<input type="checkbox" id="c" value="C"/>Knapsack
<input type="checkbox" id="d" value="D"/>Merge Sort
</div>
<br>
<input type="button" value="Submit" onclick="q2()" />
<input type="reset">
<p style="color: green;" id="q2-crr"></p>
<p style="color: red;" id="q2-err"></p>
</div>

<div>

```

```

        <p>3. What is the best case for linear search?</p>
        <input type="radio" class="radioQue" name="radiog" id="que_1" value="A">O(nlogn)<br/>
            <input type="radio" class="radioQue" name="radiog" id="que_2" value="B">O(logn)<br/>
                <input type="radio" class="radioQue" name="radiog" id="que_3" value="C">O(n)<br/>
                    <input type="radio" class="radioQue" name="radiog" id="que_4" value="D">O(1)<br/><br>

                    <input type="button" value="Submit" onclick="q3()" />
                    <input type="reset">
                    <p style="color: green;" id="q3-crr"></p>
                    <p style="color: red;" id="q3-err"></p>
                </div>

            <div>
                <p>4. Which of the problems have polynomial time complexity?</p>
                <select id="ans" multiple="true">
                    <option value="A">Bubble Sort</option>
                    <option value="B">Heap Sort</option>
                    <option value="C">Merge Sort</option>
                    <option value="D">Quick Sort</option>
                    <option value="E">None of these</option>
                </select><br>
                <span style="color: blue;">*Press (ctrl+left click) for multiple selection.</span><br><br>
                <input type="button" value="FinalSubmit" onclick="q4()" />
                <input type="reset">
                <p style="color: green;" id="q4-crr"></p>
                <p style="color: red;" id="q4-err"></p>
                <br>
            </div>
        </form>
    </div>
</body>
</html>
```

Solve these given MCQs

1. What is the time complexity of Linear search?

Ans:

2. Choose application of Greedy algorithm?

Binary Search MST Knapsack Merge Sort

3. What is the best case for linear search?

$O(n\log n)$
 $O(\log n)$
 $O(n)$
 $O(1)$

4. Which of the problems have polynomial time complexity?

Bubble Sort
Heap Sort
Merge Sort
Quick Sort

*Press (ctrl+left click) for multiple selection.

Activate Windows
Go to Settings to activate Windows.

11:19 AM 17-Mar-21

Solve these given MCQs

You Scored 2/4

1. What is the time complexity of Linear search?

Ans:

Correct Answer

2. Choose application of Greedy algorithm?

Binary Search MST Knapsack Merge Sort

Incorrect Answer

3. What is the best case for linear search?

- O(nlogn)
- O(logn)
- O(n)
- O(1)

Incorrect Answer

4. Which of the problems have polynomial time complexity?

- Bubble Sort
- Heap Sort
- Merge Sort
- Quick Sort

*Press (ctrl+left click) for multiple selection.

Correct Answer

Activate Windows
Go to Settings to activate Windows.

Solve these given MCQs

You Scored 4/4

1. What is the time complexity of Linear search?

Ans:

Correct Answer

2. Choose application of Greedy algorithm?

Binary Search MST Knapsack Merge Sort

Correct Answer

3. What is the best case for linear search?

- O(nlogn)
- O(logn)
- O(n)
- O(1)

Correct Answer

4. Which of the problems have polynomial time complexity?

Bubble Sort
Heap Sort
Merge Sort
Quick Sort

*Press (ctrl+left click) for multiple selection.

Correct Answer

Activate Windows
Go to Settings to activate Windows.

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SIC NO: 180310197

GROUP: CSE A-1

LAB ROLL NO:17

ASSIGNMENT NO: 12

Q 1.)

```
<%! int day=3;%>

<html><head><title>SWITCH....CASE Example</title></head>

<body>

<% switch(day)

{

    case 0:out.println("It\'s Sunday");break;
    case 1:out.println("It\'s Monday");break;
    case 2:out.println("It\'s Tuesday");break;
    case 3:out.println("It\'s Wednesday");break;
    case 4:out.println("It\'s Thursday");break;
    case 5:out.println("It\'s Friday");break;
default:out.println("Its\'s Saturday");}%>

</body></html>
```

Q 2)

```
<%! int fontsize;%>

<html><head><title>WHILE LOOP Example</title></head>

<body>

<% for (fontsize=2;fontsize<=4;fontsize++){%>

<font color ="green" size="<%=fontsize%>">Jsp
Tutorial</font><br/>

<%}%>

</body>

</html>
```

Q 3)

```
<%! int fontsize;%>

<html><head><title>WHILE LOOP Example</title></head>

<body>

<%while (fontsize<=4){%>

<font color ="green" size="<%=fontsize%>">Jsp
Tutorial</font><br/>
```

```
<%fontsize++;%>
```

```
<%}%>
```

```
</body>
```

```
</html>
```

Q 4)

“form_get.jsp”

```
<html>
```

```
<body>
```

```
<form action ="main.jsp" method="GET">
```

First name:<input type="text" name="first_name">

Last name:<input type="text" name="last_name"/>

```
<input type ="submit" value="Submit" />
```

```
</form>
```

```
</body>
```

“main.jsp”

```
<html>

<body>

<ul><li><p><b> First name:</b><%=request.getParameter("first_name")%></p></li>

<li><p><b> Last name:</b><%=request.getParameter("last_name")%></p></li>

</ul>

</body></html>
```

Q5)

“form_post.jsp”

```
<html>

<body>

<form action ="form_post.jsp" method="POST">

First name:<input type="text" name="first_name"><br/>

Last name:<input type="text" name="last_name"/>
```

```
<input type ="submit" value="Submit" />  
</form>  
</body>  
</html>
```

“main_post.jsp”

```
<html>  
<body>  
<ul><li><p><b> First name:  
</b><%=request.getParameter("first_name")%></p></li>  
<li><p><b> Last name:  
</b><%=request.getParameter("last_name")%></p></li>  
</ul>  
</body></html>
```

Q6)

“checkbox.jsp”

```
<html>

<body>

<form action ="main.jsp" method="GET">

First name:<input type="text" name="first_name"><br/>

Last name:<input type="text" name="last_name"/>

<input type ="submit" value="Submit" />

<input type="checkbox" value="Male">Male

<input type="checkbox" value="Female">Female

</form>

</body>
```

“main.jsp”

```
<html>

<body>

<ul><li><p><b> First name:</b><%=request.getParameter("first_name")%></p></li>
```

```
<li><p><b> Last name:</b><%=request.getParameter("last_name")%></p></li>
</ul>
</body></html>
```

Submitted By:

ARPAN PANIGRAHI

Roll 17 A-1 SIC- 180310197